

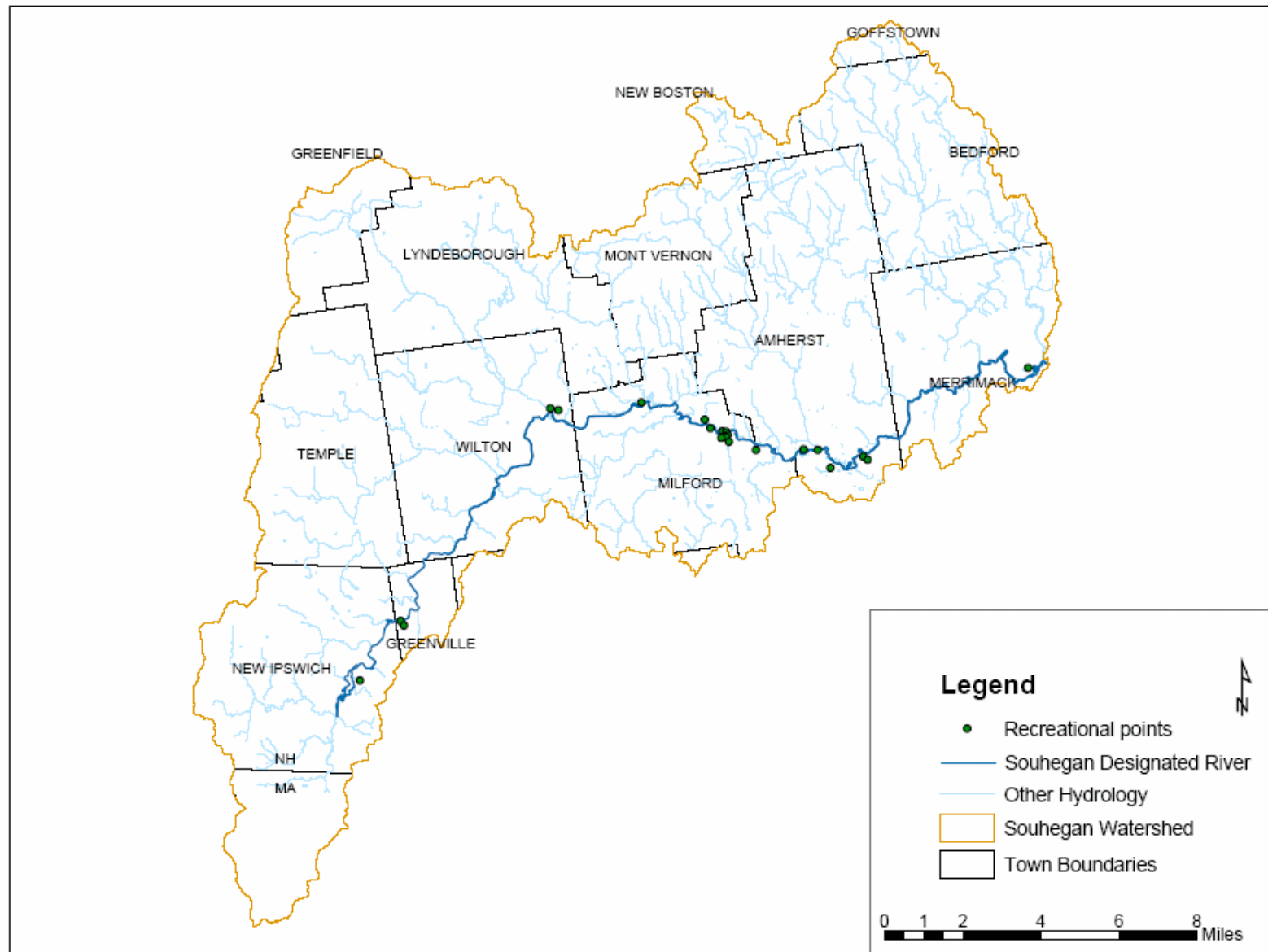
### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

IPUOCR Entity	Discussion/documentation	Source
Navigation	1. No mention of navigation on Souhegan DR	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
Recreational	<p>1. Western sections of River from Greenville to Wilton provide whitewater canoeing and kayaking during spring and periods of high water. AMC River guide and NE Whitewater River Guide identify these sections as good intermediate whitewater. Wilton to Milford provide limited opportunities for canoeing and kayaking because water is generally low and requires portage around dams. Below Rt. 122 bridge River is flat and provides excellent opportunities for family canoeing. Stretch below Seaverns Bridge is impassable to watercraft because of Wildcat Falls. River is impassable to motorboats except in western reaches, on the impoundments.</p> <p>Within Watershed –</p> <ul style="list-style-type: none"> <li>• Taft Land owned by NH F&amp;G in Greenville used for hiking and nature study.</li> <li>• Town Forest owned by Town of Wilton used for hiking and nature study.</li> <li>• SPNHF Land in Wilton used for hiking and nature study.</li> <li>• Souhegan River Scenic Easement owned by NHDOT in Greenville/Wilton used for picnicking and river access.</li> <li>• The Horseshoe, privately owned in Wilton, used for swimming and picnicking.</li> <li>• Milford Fish Hatchery, owned by NHF&amp;G, used for hiking, nature study and picnicking.</li> <li>• Milford town land used for hiking, nature study and picnicking.</li> <li>• Keyes field owned by Town of Milford, used for field sports, water access, tennis.</li> <li>• Emerson Park owned by Town of Milford, used for walking picnicking, and summer concerts.</li> <li>• Kaley Park owned by the Town of Milford, used for River access, recreational fields.</li> <li>• Amherst canoe port owned by the Town of Amherst, used for river access and swimming.</li> <li>• Route 122 access, owned by Town of Amherst, used for river access.</li> <li>• Sherburne Site owned by Town of Amherst, used for hiking and nature study.</li> <li>• Eighty Acres owned by Town of Merrimack, used for hiking and picnicking.</li> <li>• Turkey Hill Bridge Site owned by Town of Merrimack used for hiking and river access.</li> </ul>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. Amherst - There are two public golf courses and a canoe landing where the river crosses Route 122. On Merrimack Road near Beaver Brook (that feeds the Souhegan) is Cemetery Fields. On Boston Post Road the Conservation Commission maintains a boat landing which is also in proximity to playing fields for Souhegan High School.	Bruce W. Berry Director of Public Works Town of Amherst, NH 03-06-2004
	3. Milford – Keyes Park is located off Nashua St. Emerson Park holds band concerts. There is a sports complex off North River Rd, and Adams Park is located on Armory Rd.	Kevin Tyska Director Recreation Department

**Souhegan IPUOCR entities – Preliminary List – March 24, 2004**

		Town of Milford, NH 03-03-2004
	4. See attached map – Recreational sites within 0.25 miles of Souhegan Designated Reach See attached table - Recreational sites within 0.25 miles of Souhegan Designated Reach	NH DES GIS coverages
	5. See attached map – Canoe Access Points and Routes - Souhegan River	NH DES GIS coverages

## Souhegan Designated River Recreation

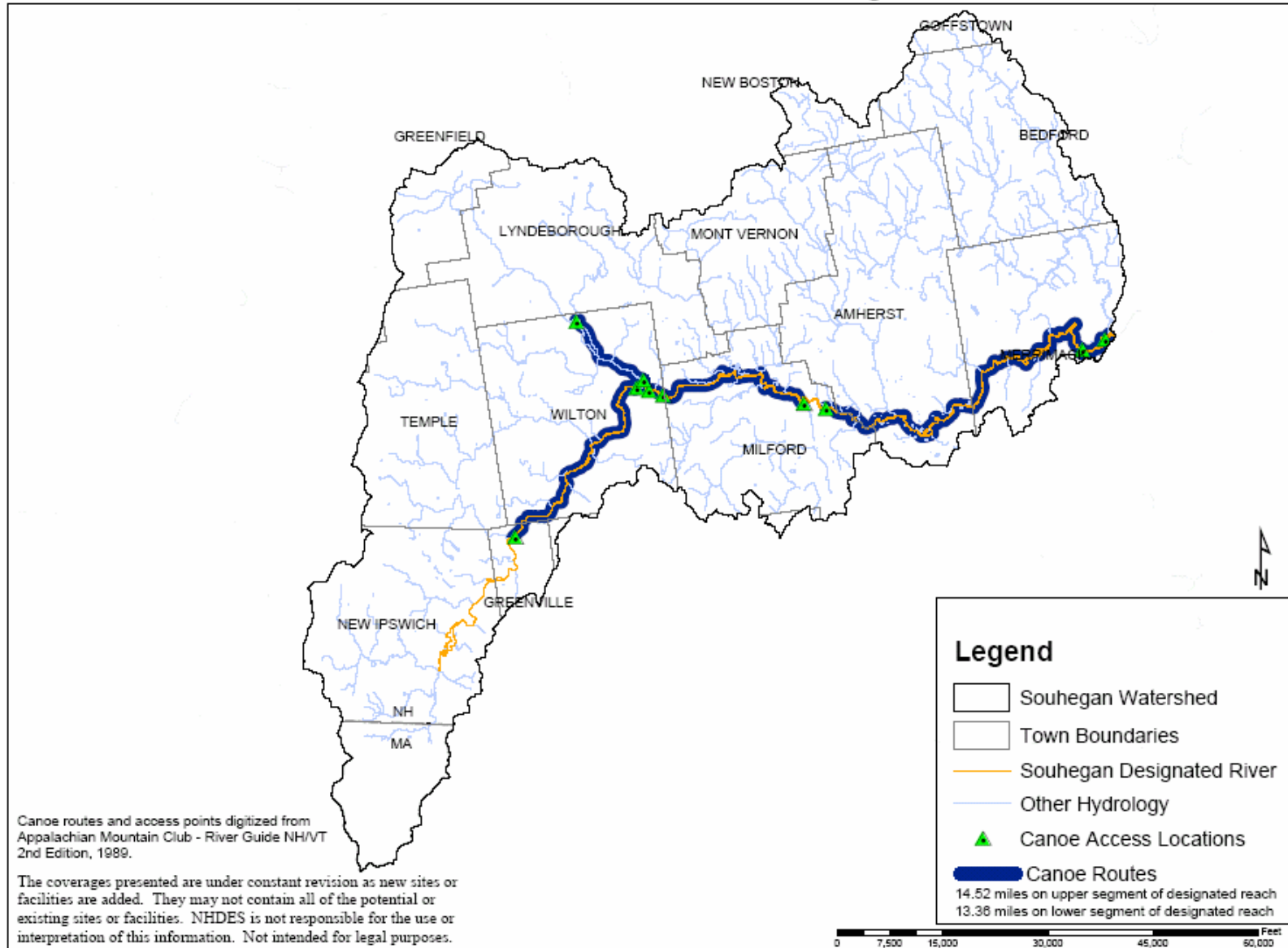


Map Document: (H:\Water Quality\Instream Flow\GIS Projects\Souhegan maps\Maps\Souhegan Recreation.mxd)  
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## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Recreational Sites within 0.25 miles of Souhegan Designated Reach												
SITE_ID	TOWN	SITE	OPERATOR	TOWN_TYP	PRIM_USE	ACRES	ACTIV_1	ACTIV_2	ACTIV_3	ACTIV_4	ACTIV_5	ACTIV_6
0001	Amherst	Brewster Sport Complex	Rosemary & Benjamin	Priv NP	Field Sports		Soccer					
0010	Amherst	Ponemah Greens	Ponemah Green Corp.	Priv P	Golf		Golf Driving Range	Mini Golf Course	Par 3 Golf Course			
0011	Amherst	Simeon Wilson Fields	Town of Amherst	School	Field Sports		Baseball, softball	Soccer				
0012	Amherst	Souhegan High School	Town of Amherst	School	Field Sports		Baseball, softball	Football	Gymnasium	Soccer	Track & Field Area	
0401	Amherst	Amherst Country Club		Priv P	Golf		9/18 hole Golf Course	Outdoor Tennis	Outdoor Swim Pool			
0201	Greenville	Ida F. Taft Field	Town of Greenville	Municipal	Field Sports	3.0	Baseball, softball	Gen Playground	Outdoor Swim Pool			
1901	Greenville	Riverside Park	Town of Greenville	Municipal	Park	1.0	Natural Area					
0203	Merrimack	Merrimack High School (Contd.)	Town of Merrimack	School	Field Sports		Gymnasium	Snow Sledding				
0203	Merrimack	Merrimack High School	Town of Merrimack	School	Field Sports		Basketball	Football	Baseball, softball	Soccer	X-Country Ski Trail	Downhill Snow Ski
0001	Milford	Bicentennial Park	Milford Conservation Commission	Priv NP	Park	3	Canoeing	Fishing, access pt	Nonpower Boating	Picnicking	Wildlife Observation	
0002	Milford	World War II Memorial Park	Town of Milford	Municipal	Park	0.5	Passive					
0006	Milford	Milford Community Athletic Fields		Municipal	Field Sports	3.0	Baseball, softball	Soccer				
0011	Milford	Souhegan River Trail		Municipal	Trail Area	0.0	Hike Trail					
0202	Milford	Community House Tennis Courts	Livermore Society	Priv NP	Field Sports	2.0	Outdoor Tennis					
0204	Milford	Jacques School/Bales School		School	Field Sports	0.0	Gen Playground					
0205	Milford	Keyes Memorial Field	Town of Milford	Municipal	Field Sports		Baseball, softball	Gen Playground	Outdoor Tennis	Outdoor Swim Pool	Picnicking	
0207	Milford	Shepard Park	Town of Milford	Municipal	Field Sports	3.0	Baseball, softball	Gen Playground				
0208	Milford	Milford Elementary School	Town of Milford	School	Field Sports	0.0	Gen Playground					
1501	Milford	Emerson Park	Town of Milford	Municipal	Park	1.5	Passive	Picnicking	Hike Trail			
1901	Milford	Milford Oval	Town of Milford	Municipal	Park	1.0	Bandstand	Passive				
0205	New Ipswich	Souhegan Country Club		Priv NP	Field Sports		Outdoor Tennis					
0201	Wilton	Whiting Park		School	Field Sports	1.0	Basketball	Baseball, softball	Gen Playground			
1902	Wilton	Monument Park	Town of Wilton	Municipal	Park	1.0	Historic Site	Passive				
- Source: NH OSP statewide recreation inventory created in 1998 per Ken Gallagher (nhrecdata.dbf)												

## Canoe Access Points and Routes - Souhegan River

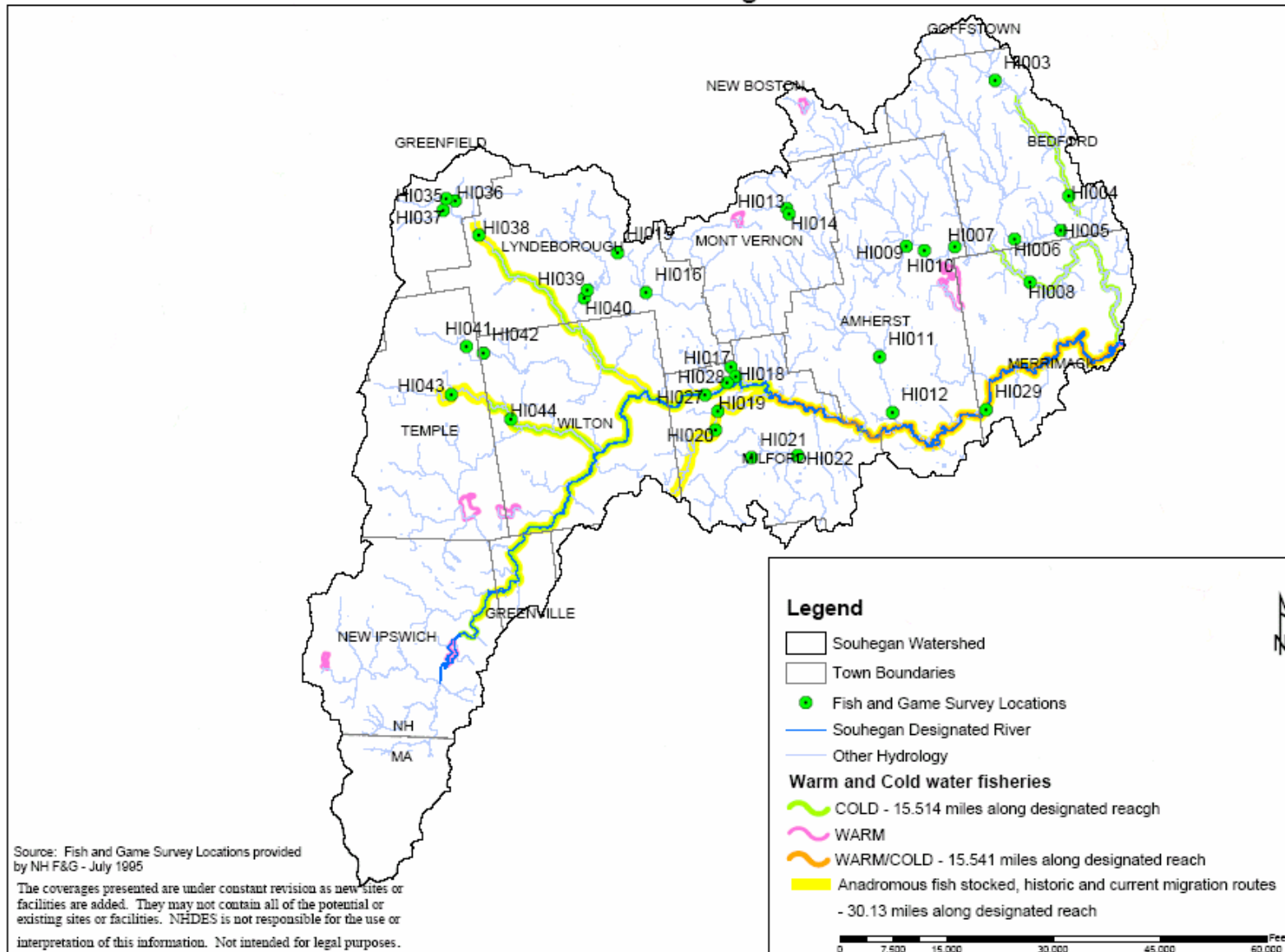


### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Fisheries	1. Majority of the fishing in the river is for stocked trout	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. Bicentennial Park in Milford is used as a fishing access point.	Recreational Sites within 0.25 miles of Souhegan Designated Reach: NH OSP statewide recreation inventory created in 1998
	3. Souhegan and some tributaries are Salmon Restoration streams. See attached map – Fish Habitat Conditions - Souhegan River WMPA	NH F&G 1995 from NH DES GIS coverages

# Souhegan IPUOCR entities – Preliminary List – March 24, 2004

## Fish Habitat Conditions - Souhegan River WMPA



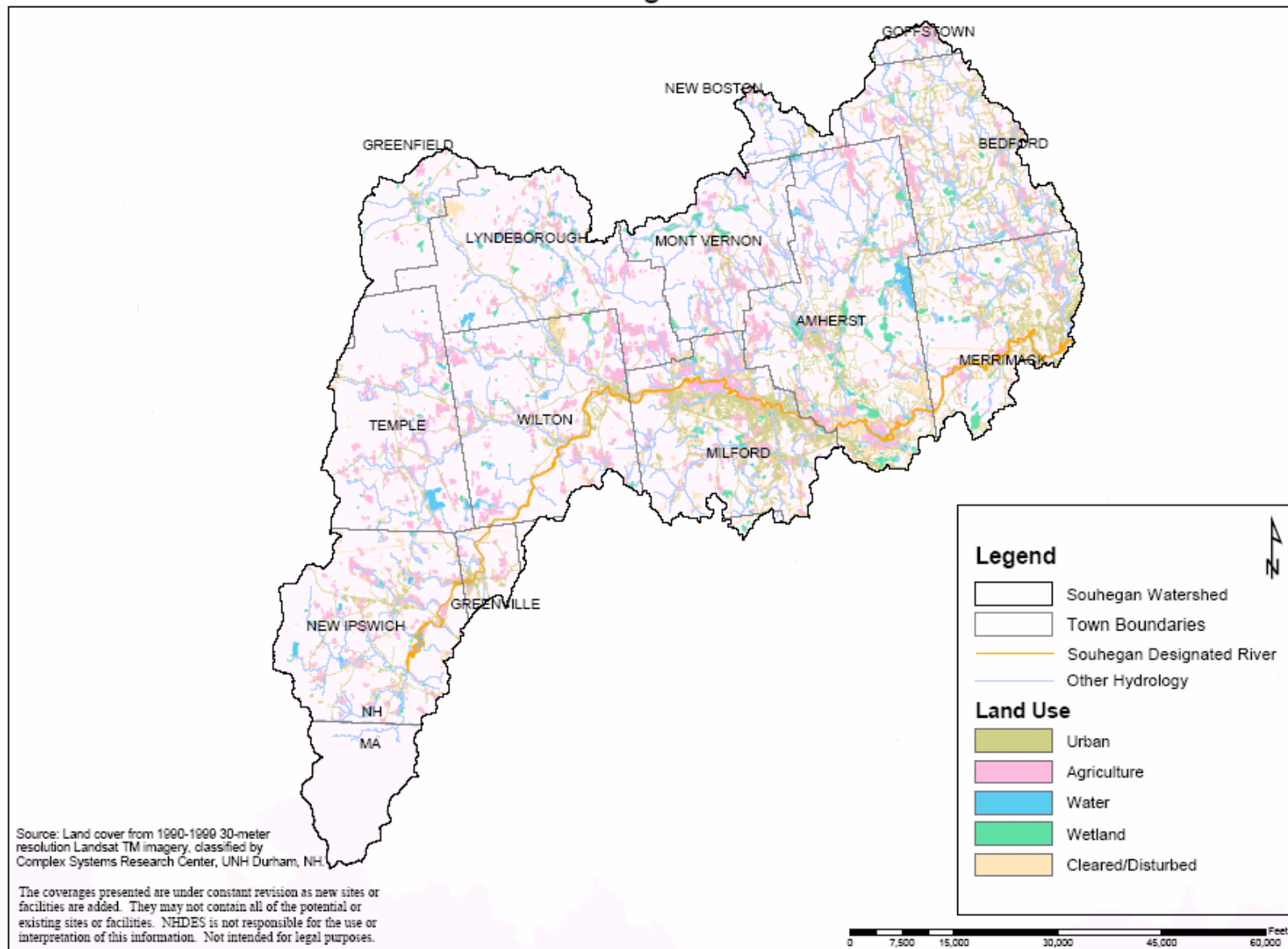
## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

<p>Open Space Resource</p>	<p>1. <b>Merrimack</b></p> <ul style="list-style-type: none"> <li>• Eighty Acres site-predominately forested includes Wildcat falls</li> <li>• Turkey Hill bridge site-open and forested, provides cartop access to the River</li> <li>• Davidson Avenue green space-predominately forested.</li> <li>• Whippoorwill Boy Scout Camp is also located on the river.</li> </ul> <p><b>Amherst</b></p> <ul style="list-style-type: none"> <li>• Scott and Sherburne sites- predominately floodplain</li> <li>• The Currier Land- predominately floodplain</li> <li>• The Curtis Well Site- public drinking water, mixed woods and fields.</li> </ul> <p><b>Milford</b></p> <ul style="list-style-type: none"> <li>• unnamed piece east of downtown- floodplain, forest, field; the site east of the swinging bridge- open area and woods</li> <li>• Emerson Park- small developed park</li> <li>• Keyes Memorial Park- floodplain, open recreational area;</li> <li>• Unnamed parcel adjacent to the fish hatchery- mixed fields and forest.</li> </ul> <p><b>Wilton</b></p> <ul style="list-style-type: none"> <li>• Town Forest in the Souhegan River is the only substantial piece of Town owned land in river corridor.</li> <li>• SPNHF owns a parcel along the River- forested.</li> <li>• NHDOT owns 3.2 mile scenic easement on Rt. 31 in Wilton and Greenville along River.</li> </ul> <p><b>Greenville</b></p> <ul style="list-style-type: none"> <li>• NH F&amp;G owns a large parcel that is predominately forested and includes the gorge.</li> </ul> <p><b>New Ipswich</b></p> <ul style="list-style-type: none"> <li>• There are a couple small pieces of land owned by the town along the River that are predominately forested.</li> </ul> <p>2. See attached map – Land Use - Souhegan River WMPA</p>	<p>Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission</p> <p>NH DES GIS coverages</p>
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## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

### Land Use - Souhegan River WMPA



## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Natural Resource	* Refer to sections on Geological Resources, Wildlife, Endangered or Threatened Habitat, Wildlife Habitat, Vegetation and Natural Communities, Fisheries, Aquatic Habitat for Fish Populations	
Storage	1. Eleven dams on the Designated Reach - <ul style="list-style-type: none"> <li>• Souhegan River Dam in New Ipswich</li> <li>• Souhegan River Dam III in New Ipswich</li> <li>• Souhegan River Dam in Greenville</li> <li>• Souhegan River Dam IV in Greenville</li> <li>• Souhegan River Dam VI in Greenville</li> <li>• Souhegan River Dam in Wilton</li> <li>• Souhegan River Dam III in Wilton</li> <li>• Souhegan River Dam (Label Arts) in Wilton</li> <li>• Goldman Dam in Milford</li> <li>• McLane Dam in Milford (inactive)</li> <li>• Souhegan River Dam in Merrimack.</li> </ul>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. See attached map – Souhegan WMPA – All Active Dams	NH DES GIS coverages
	3. See attached map - Stratified Drift Aquifers - Souhegan River WMPA	NH DES GIS coverages
	* See attached document Non-ADO Dams on the Souhegan DR	

### Dams located on Souhegan River Designated Reach that are not Affected Dam Owners because their impoundments are smaller than 10 acres

Eight non-ADO dams were identified on the Souhegan Designated Reach. These dams have impoundments less than 10 acres, but may affect flow in the Designated Reach. Available data was collected from the NH DES dam bureau files including location of the dam, dam structure, and dam owner, dimensions of the dam, storage capacity and impoundment area, and purpose of dam. Ownership information may not be current. Dam locations are available on GIS coverages and on the Souhegan Dams map on the NH DES Instream Flow website at <http://www.des.state.nh.us/rivers/instream/>.

#### Wilton

254.01 The Pine Valley Mill Dam is a concrete and stone structure built on the Souhegan River in Wilton, NH. The owner of the dam is Heidi Heller-Blackmer. The dam itself is 23 ft. high and 200 ft long, which creates a permanent storage area of 30 acre-feet and a maximum storage capacity of 70 acre-feet. The impoundment behind the dam covers an area of 5 acres and the drainage area beyond the dam is 97 miles<sup>2</sup>. The dam is used as a hydropower generating facility.

## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

254.01

**Dams located on Souhegan River Designated Reach that are not Affected Dam Owners because their impoundments are smaller than 10 acres**

254.02 The Souhegan River Dam (Wilton) is a concrete run of the river structure built along the Souhegan River above the Pine Valley Mill Dam in Wilton, NH. The owner of the dam is the Gould Leech Trust, which is represented by Fred B Roedel. The dam itself is 17 ft. high and 125 ft. in length, which creates a permanent storage area of 14 acre-ft and a maximum storage area of 14 acre-feet. The impoundment behind the dam covers an area of 4 acres and the drainage area beyond the dam is 97 miles<sup>2</sup>. The dam is used as a hydropower generating facility.

254.03 The Souhegan River Dam III (Wilton) is a low-head gravity dam in Wilton, NH constructed of reinforced concrete. The owner of the dam is Label Arts, Inc., which is represented by Paul Tardiff. The dam itself is 19.3 ft high and 240 ft. in length, which creates a permanent storage area of 2 acre-feet and a maximum storage area of 8.5 acre-feet. The dam is comprised of five major structural elements, the north abutment (height of 366.8 ft providing 9.3 ft. of freeboard), the spillway (84 ft. long unregulated overflow type structure, can accept flashboards), south abutment (same height as spillway crest and can accept flashboards), canal gate structure (end of south abutment at 90 degree angle, with elevation of 364.5, providing 7 ft. of freeboard), outer canal wall, (195 ft. wall extending perpendicularly from the downstream side of the gate structure. The impoundment behind the dam covers an area of 0.7 acres and the drainage area beyond the dam is 70.3 miles<sup>2</sup>. The dam is a hydropower generating facility.

### Greenville

101.01 The Otis Dam is concrete and stone structure built on the Souhegan River in Greenville, NH. The owner of the dam is Alden T. Greenwood, the representative of Greenwood Engineering Company. The dam itself is 27 ft. high and 150 ft. in length, which creates a permanent storage area of 75 acre-feet and a maximum storage capacity of 105 acre-feet. The impoundment behind the dam covers an area of 8 acres and the drainage area beyond the dam is 29.6 miles<sup>2</sup>. The dam is a hydropower generating facility.

101.02 The Souhegan River Dam (Greenville) is a concrete and stone structure located on the Souhegan River in Greenville, NH. The owner of the dam is Greenville Elderly Housing. The dam itself is 15 ft high and 80 ft. in length. The drainage area for the dam is 35 miles<sup>2</sup>. The dam was a hydropower generating facility. No other information is provided for this dam structure.

101.03 The Souhegan River Dam III (Greenville) is a concrete and stone structure located on the Souhegan River in Greenville, NH. The dam is a hydropower generating facility. The owner of the dam is Chamberlain Falls Hydro, which is represented by Alden Greenwood. The dam itself is 20 ft. high and 82 ft in length, which creates a permanent storage area of 2.50 acre-feet and a maximum storage area of 4 acre-feet. The impoundment behind the dam covers an area of 0.5 acres and the drainage area for the dam is 35 miles<sup>2</sup>.

## **Souhegan IPUOCR entities – Preliminary List – March 24, 2004**

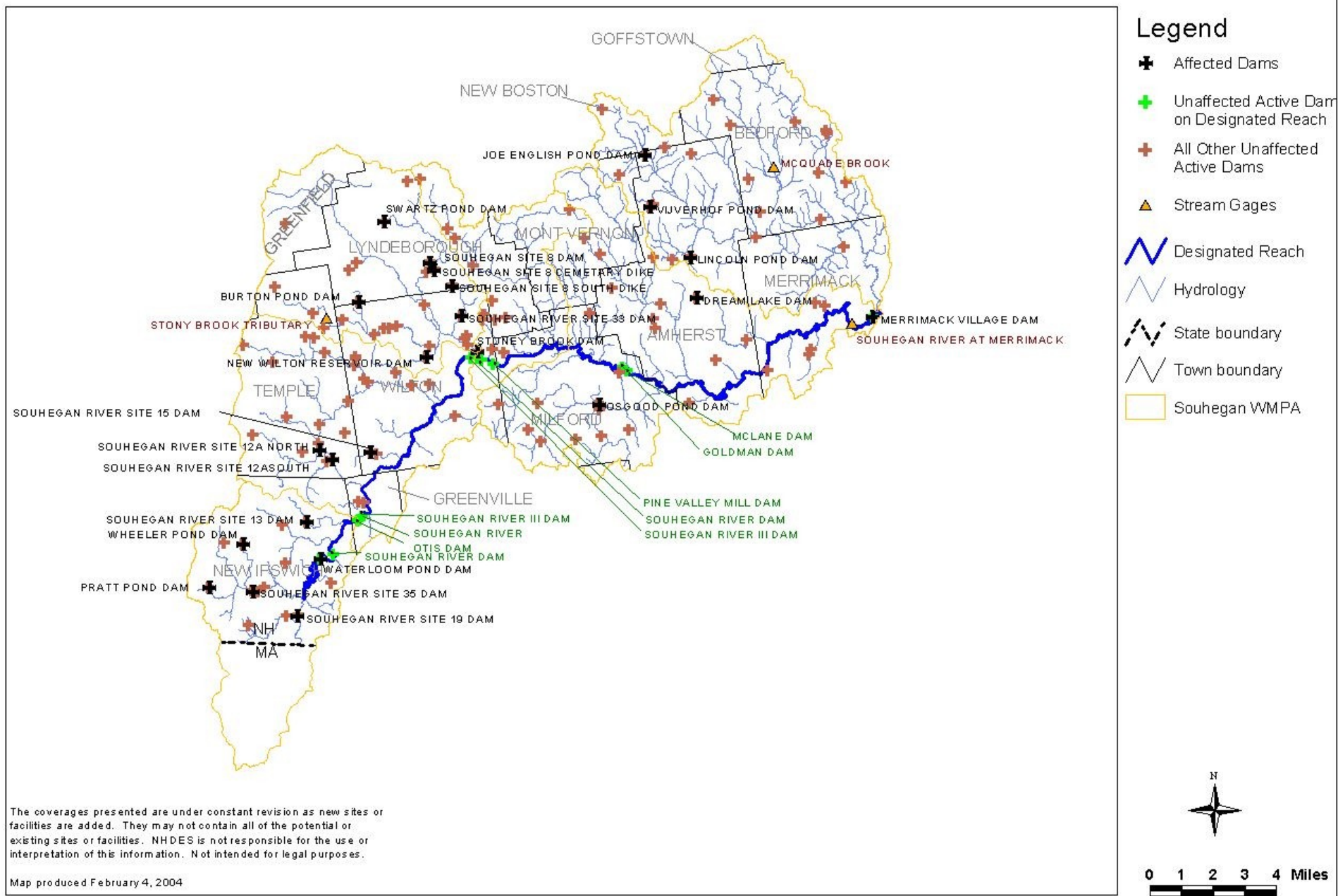
### New Ipswich

175.10 The Souhegan River Dam (New Ipswich) is a concrete structure located on the Souhegan River in New Ipswich, NH. The owner of the dam is Warwick Mills, Inc. The dam itself is 15 ft. high, and can be considered “run of river” as no impoundment is created. The drainage area for the dam is 15 miles<sup>2</sup>.

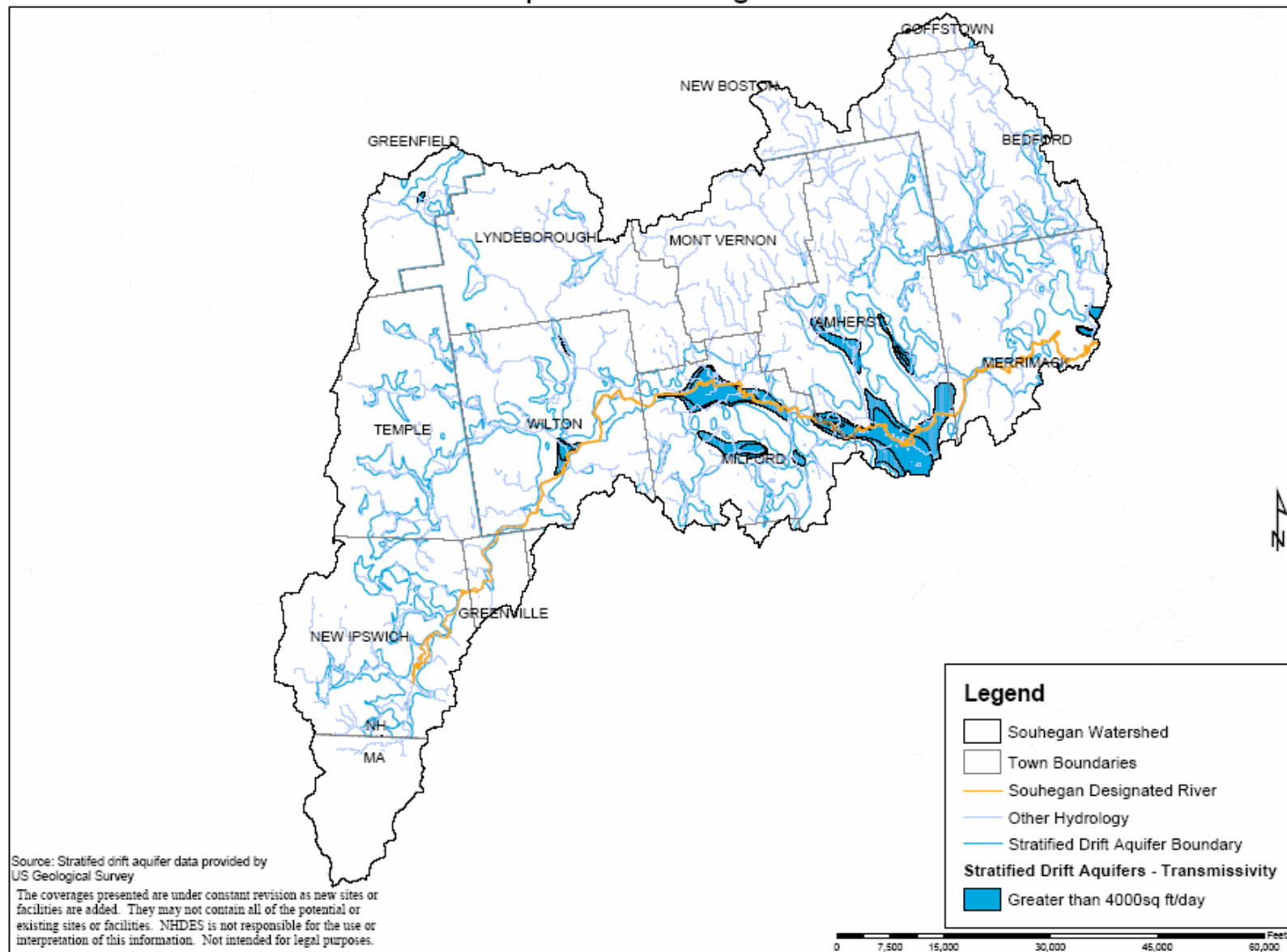
### Milford

159.02 The Goldman Dam is a concrete structure located on the Souhegan River in Milford, NH. The representative for the dam is the Milford Public Water Works Department. The dam itself is 12 ft. high, creating an 8.00 acre impoundment. The drainage area for the dam is 137.8 miles<sup>2</sup>.

# Souhegan River WMPA - All Active Dams



## Stratified Drift Aquifers - Souhegan River WMPA

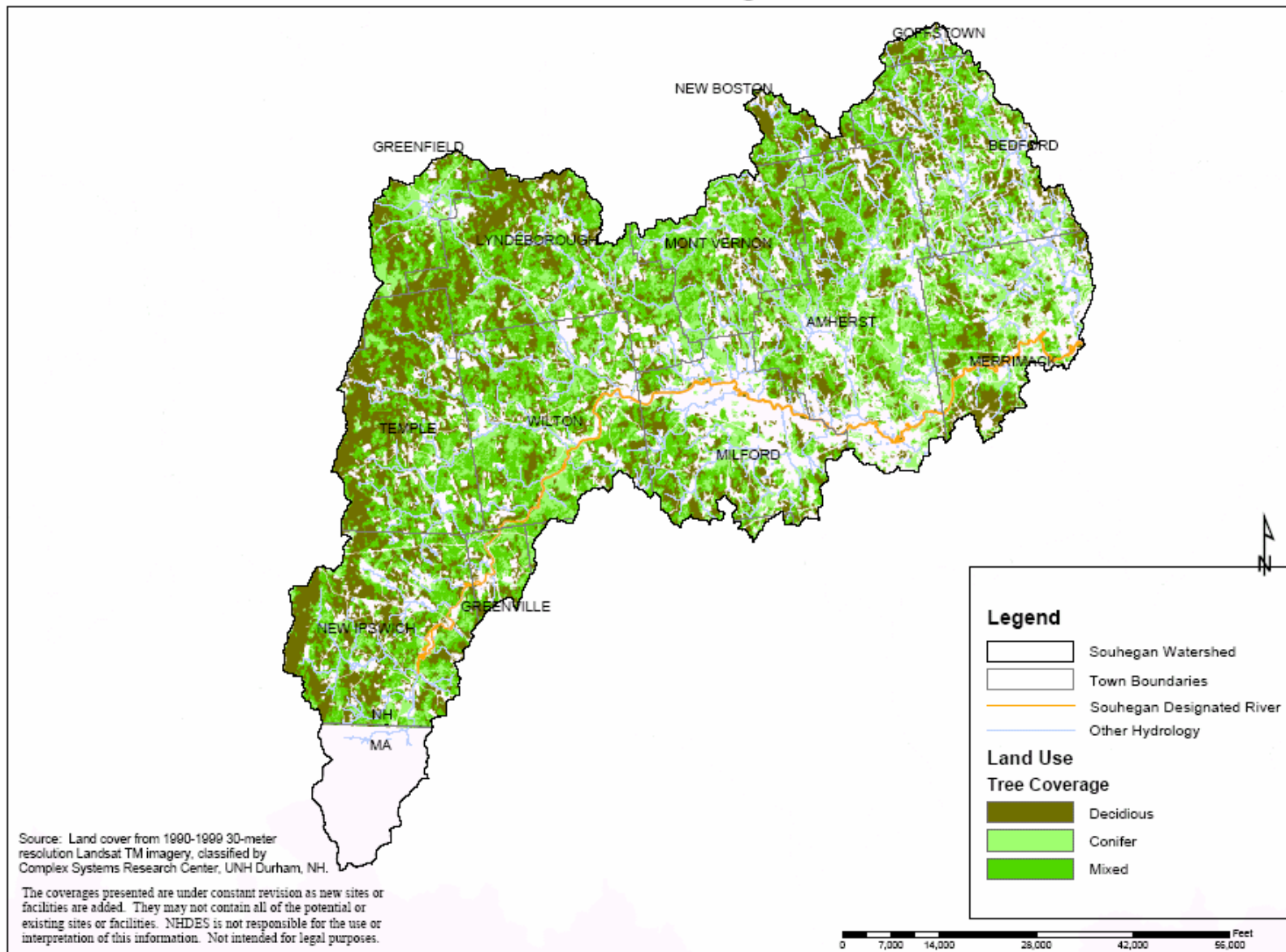


### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Wildlife	<p>1. On designated reach - Ducks, geese and heron nest in the area or migrate through the corridor. Within Watershed - Mammals and birds found in the Souhegan River Corridor are those commonly found in Southern New Hampshire. Includes species that are adapted to living near humans. The more rural areas of the watershed may also provide habitat for larger animals that require more extensive habitat.</p>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
Rare Species or Habitat	<p>1. Designated reach - The River is habitat for the endangered Banded sunfish Within Watershed - The River corridor is habitat for the threatened Eastern Hognose Snake and the endangered Woodhouse's toad. The River corridor also contains the following species of endangered flora:</p> <ul style="list-style-type: none"> <li>• Long's Bitter Cress</li> <li>• Wild Lupine</li> <li>• Bird's Foot Violet</li> <li>• Siberian Chives</li> <li>• Wild Garlic</li> <li>• Skydrop Aster</li> <li>• Goat's Rue</li> <li>• Stiff Tick Trefoil</li> <li>• Giant Rhododendron</li> </ul>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	<p>2. Southern New England floodplain forests are identified as imperiled and Southern New England high-energy river bank communities are listed as rare or endangered. Plant species: Bird's-Foot Violet is listed as imperiled and wild senna is listed as critically imperiled. Vertebrate Species: the Eastern Hognose Snake is listed as rare or uncommon and the Grasshopper Sparrow is listed as critically imperiled. ** See list of species and habitats "New Hampshire Natural Heritage Bureau Known occurrences of rare species and exemplary natural communities in the Souhegan watershed, NH."</p>	New Hampshire Natural Heritage Bureau. "Known occurrences of rare species and exemplary natural communities in the Souhegan watershed, NH."
Vegetation	<p>1. Typical plant species in the river corridor include those commonly found in southern New Hampshire and include white pine, hemlock, red maple, red oak, sycamore and numerous species of grasses and shrubs. Two vegetative communities have been identified as being exemplary Natural Ecological communities: Southern New England High-Energy Riverbank Community and Southern New England Floodplain forest.</p>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. See attached map – Land Use - Tree Cover - Souhegan River WMPA	NH DES GIS coverages



# Land Use - Tree Cover - Souhegan River WMPA

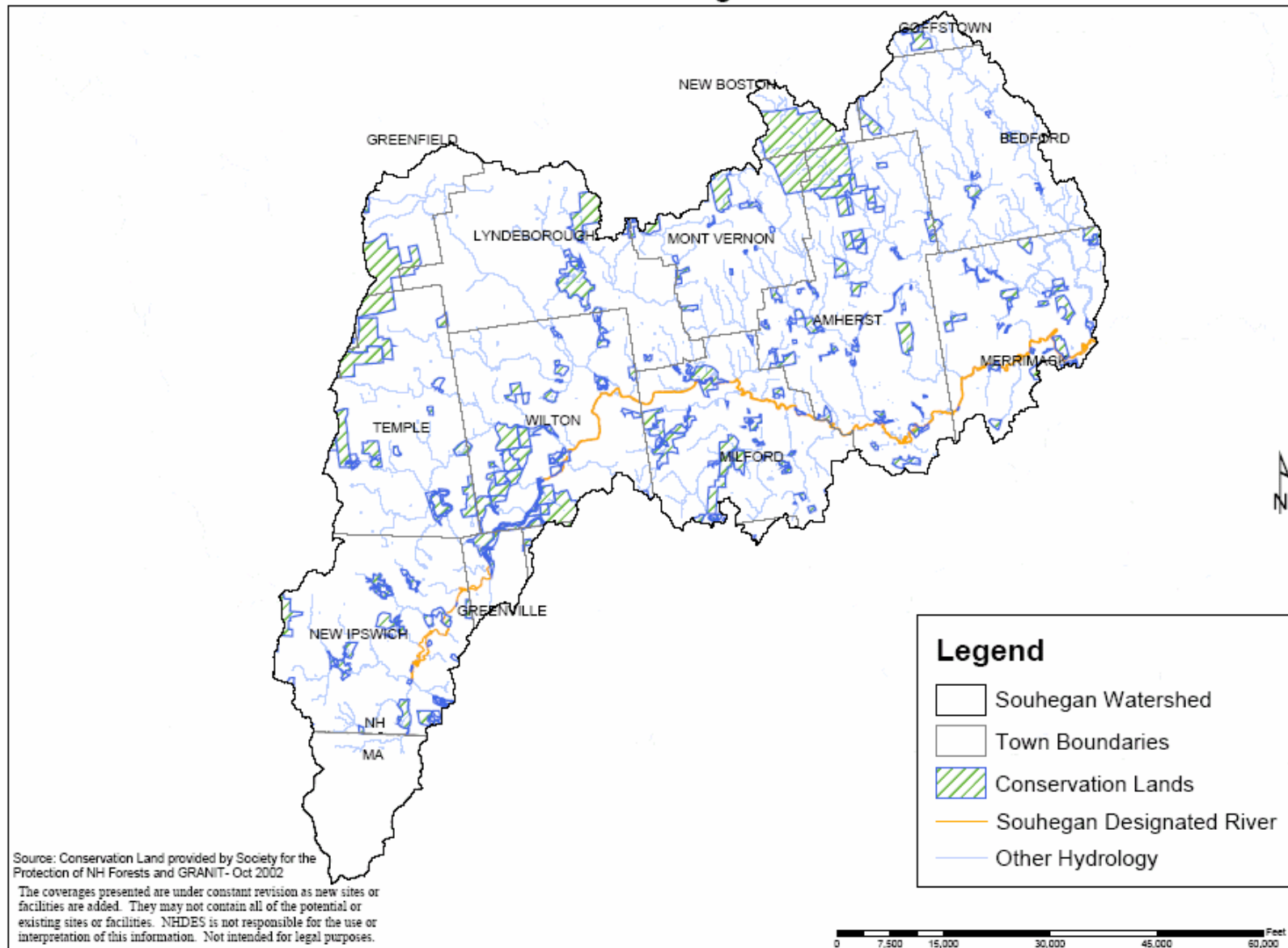




### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Environmental	* Refer to sections on Maintenance and Enhancement of Aquatic and Fish Life, Protection of Water Quality and Public Health, Pollution Abatement.	
Conservation	1. See attached map - Conservation Lands - Souhegan River WMPA	NH DES GIS coverages
	* Refer to sections on Maintenance and Enhancement of Aquatic and Fish Life, Cultural Resource, and Community Resource.	

## Conservation Lands - Souhegan River WMPA



### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Cultural Resource	<p>River is discussed in each of the municipal master plans and is recognized as a significant community resource. Souhegan River Watershed Study includes significant amounts of information about the river and provides specific recommendations for local and regional action. All communities in the watershed received the study well and some have started to implement the recommendations of the study. The study recommendations include amendments to local zoning ordinances and land use regulations, the development of a continuous trail along the River, additional public access sites in each community, public education on River resources and their protection, continuation of the volunteer monitoring program and state actions.</p> <p>In addition, the River is integral to the extremely successful US FWS Adopt a salmon family project that uses a watershed approach for environmental education. At present, the River is the main release site for the program that currently involves approximately 25 schools in Massachusetts and New Hampshire.</p>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
Historical Resource	1. There are four sites of historical significance within 100 meters of the Souhegan River along the designated reach. Three of these sites are located in Milford and one in Merrimack. Historical and archeological information is sensitive in nature therefore specific site locations are not identified in public documents.	New Hampshire Division of Historical Resources New Hampshire Archaeological Inventory; State Archeologist Robert Boisvert.
	2. Monument Park in Wilton is a 1.0 acre park that is identified as a historic site for passive use	Recreational Sites within 0.25 miles of Souhegan Designated Reach: NH OSP statewide recreation inventory created in 1998.
	<p>3. Historical Resources located in the towns along the designated reach</p> <p><b>Merrimack:</b> McClure--Hilton House 16 Tinker Rd. Listed; 12-01-1989, Signer's House and Matthew Thornton Cemetery S of Merrimack on US 3 Listed; 12-22-1978 Amherst Village Historic District NH 101 and NH 122 Listed; 08-18-1982</p> <p><b>Milford:</b> Milford Cotton and Woolen Manufacturing Company 2 Bridge St. Listed; 08-18-1982, Milford Town House and Library Annex Nashua St. Listed; 12-01-1988, Peabody, William, House N. River Rd. Listed; 11-30-1979</p> <p><b>Wilton:</b> County Farm Bridge NW of Wilton on Old County Farm Rd. 05-14-1981. Cragin, Daniel, Mill W of Wilton at Jct. of Davisville Rd. and Burton Hwy. Listed; 03-23-1982, Hamblet--Putnam--Frye House 293 Burton Hwy. Listed; 06-22-2000, Stonyfield Farm NW of Wilton on Foster Rd. Listed; 08-03-1983, Whiting, Oliver, Homestead Old County Farm Rd. Listed; 03-09-1982, Wilton Public and Gregg Free Library Forest St. Listed; 01-11-1982</p> <p><b>New Ipswich:</b> New Ipswich Center Village Historic District Roughly bounded by Turnpike Rd., Porter Hill Rd., Main St., NH 123A, Preston Hill, Manley and King Rds. Listed; 09-03-1991, New Ipswich Town Hall Main St. Listed; 12-13-1984.</p>	New Hampshire Division of Historical Resources <sup>4</sup> <a href="http://www.nh.gov/nhdhr">http://www.nh.gov/nhdhr</a>
Archeological Resource	* Refer to section on Historical Resource	

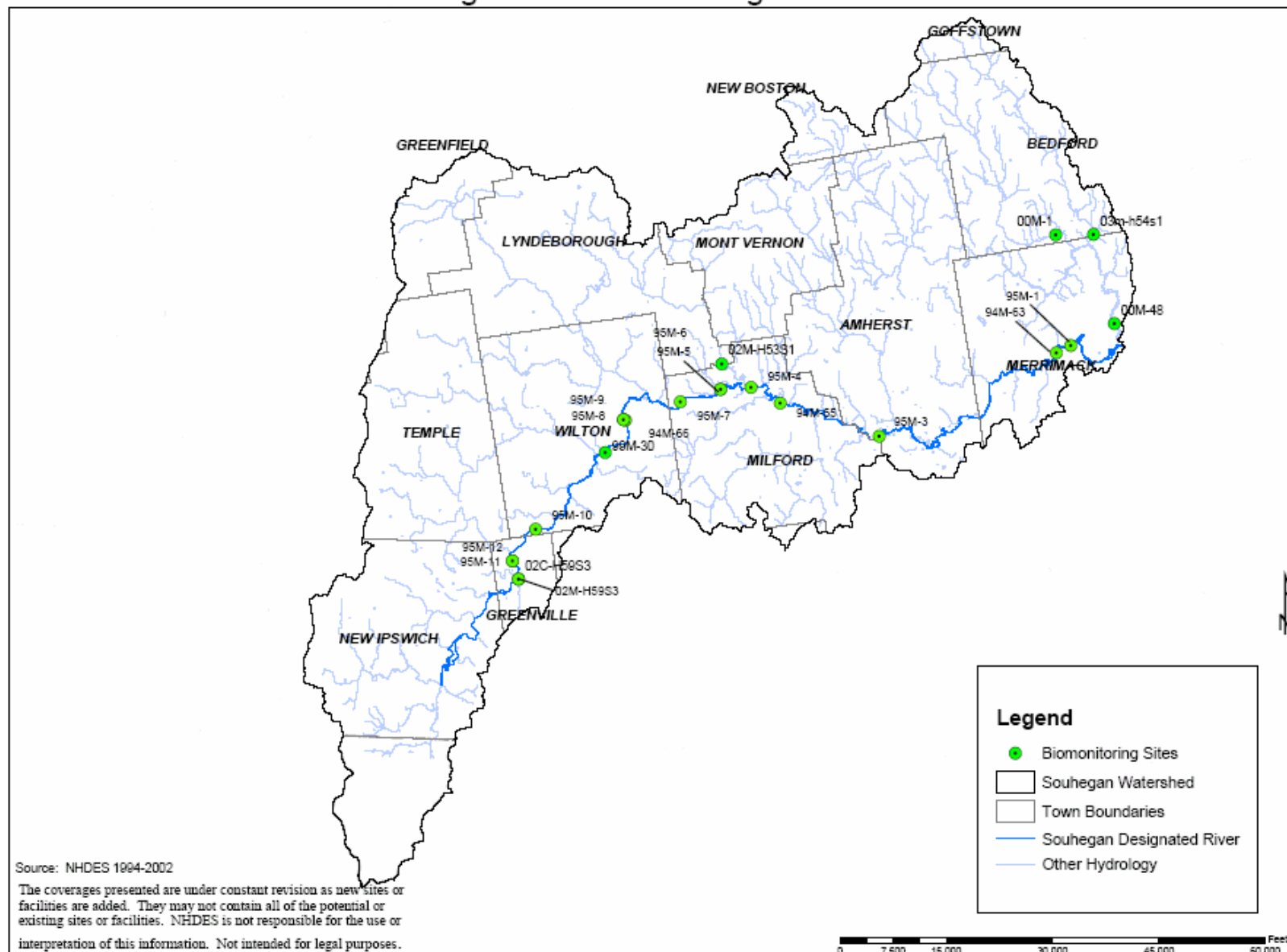
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Maintenance and enhancement of aquatic and fish life	1. Most stations throughout the watershed showed some signs of nutrient enrichment stemming from human sources such as road and street runoff, poor vegetative buffers, impoundments and general urbanization	Souhegan River Watershed Report NHDES May 1997
	2. Fish species present in Souhegan River: American eel, Atlantic Salmon, Blacknose Dace, Brook Trout, Brown Trout, Chain Pickerel, Common Shiner, Common White Sucker, Fallfish, Largemouth Bass, Longnose Dace, Longnose Sucker, Margined Madtom, Pumpkinseed, Rainbow Trout, Redbreast Sunfish, Smallmouth bass, Spottail Shiner, Yellow Bullhead, Yellow Perch. “The limited number of individuals and species, consisting predominantly of pollutant tolerant white sucker and the moderately tolerant yellow perch were also indicative that the river segment was undergoing some form of impairment.”	Souhegan River Watershed Report NHDES May 1997
	3. See attached map – Biomonitoring Locations – Souhegan River WMPA	
	4. See attached table – Biomonitoring Locations – Souhegan River WMPA	
	* Refer also to sections on Cultural Resource, Fish Habitat, and Pollution Abatement	

**Souhegan IPUOCR entities – Preliminary List – March 24, 2004**

<b>NHDES BIOMONITORING LOCATIONS IN SOUHEGAN WMPA</b>									
SITE_ID	STREAM	TOWN	FISH	INVERTEBRATES	HUC_12	HU_12_NAME	LONG_DD	LAT_DD	ELEV_FEET
94M-55	Souhegan River	MILFORD	n	y	010700060906	BEAVER BROOK	-71.668600	42.840300	
94M-63	Souhegan River	MERRIMACK	n	y	010700060906	BEAVER BROOK	-71.523100	42.859700	
94M-66	Souhegan River	WILTON	n	y	010700060902	TEMPLE BROOK	-71.750000	42.833600	
95M-1	Souhegan River	MERRIMACK	n	y	010700060906	BEAVER BROOK	-71.515600	42.862500	
95M-10	Souhegan River	WILTON	n	y	010700060902	TEMPLE BROOK	-71.797200	42.791400	
95M-11	Souhegan River	GREENVILLE	n	y	010700060902	TEMPLE BROOK	-71.809400	42.779200	
95M-12	Souhegan River	GREENVILLE	n	y	010700060902	TEMPLE BROOK	-71.809400	42.779200	
95M-3	Souhegan River	AMHERST	n	y	010700060906	BEAVER BROOK	-71.616400	42.827500	
95M-4	Souhegan River	MILFORD	n	y	010700060904	PURGATORY BROOK	-71.683900	42.846400	
95M-5	Souhegan River	MILFORD	n	y	010700060904	PURGATORY BROOK	-71.700000	42.845600	
95M-6	Souhegan River	MILFORD	n	y	010700060904	PURGATORY BROOK	-71.700000	42.845600	
95M-7	Souhegan River	MILFORD	n	y	010700060904	PURGATORY BROOK	-71.721100	42.840800	
95M-8	Souhegan River	WILTON	n	y	010700060902	TEMPLE BROOK	-71.751100	42.833900	
95M-9	Souhegan River	WILTON	n	y	010700060902	TEMPLE BROOK	-71.751100	42.833900	
99M-30	Souhegan River	WILTON	y	y	010700060902	TEMPLE BROOK	-71.7606	42.8211	490
00M-1	McQuade Brook	BEDFORD	y	y	010700060905	BABOOSIC BROOK	-71.523402	42.905363	204
00M-48	Baboosic Brook	MERRIMACK	y	y	010700060905	BABOOSIC BROOK	-71.492568	42.87092	177
02C-H59S3	Souhegan River	GREENVILLE	y	y	010700060902	TEMPLE BROOK	-71.806118	42.772091	747
02M-H53S1	Purgatory Brook	LYNDEBOROUGH	y	y	010700060904	PURGATORY BROOK	-71.699339	42.855446	267
02M-H59S3	Souhegan River	GREENVILLE	y	y	010700060902	TEMPLE BROOK	-71.806140	42.772080	
03M-H54S1	Riddle Brook	BEDFORD	y	y	010700060905	BABOOSIC BROOK	-71.50345	42.90547	181

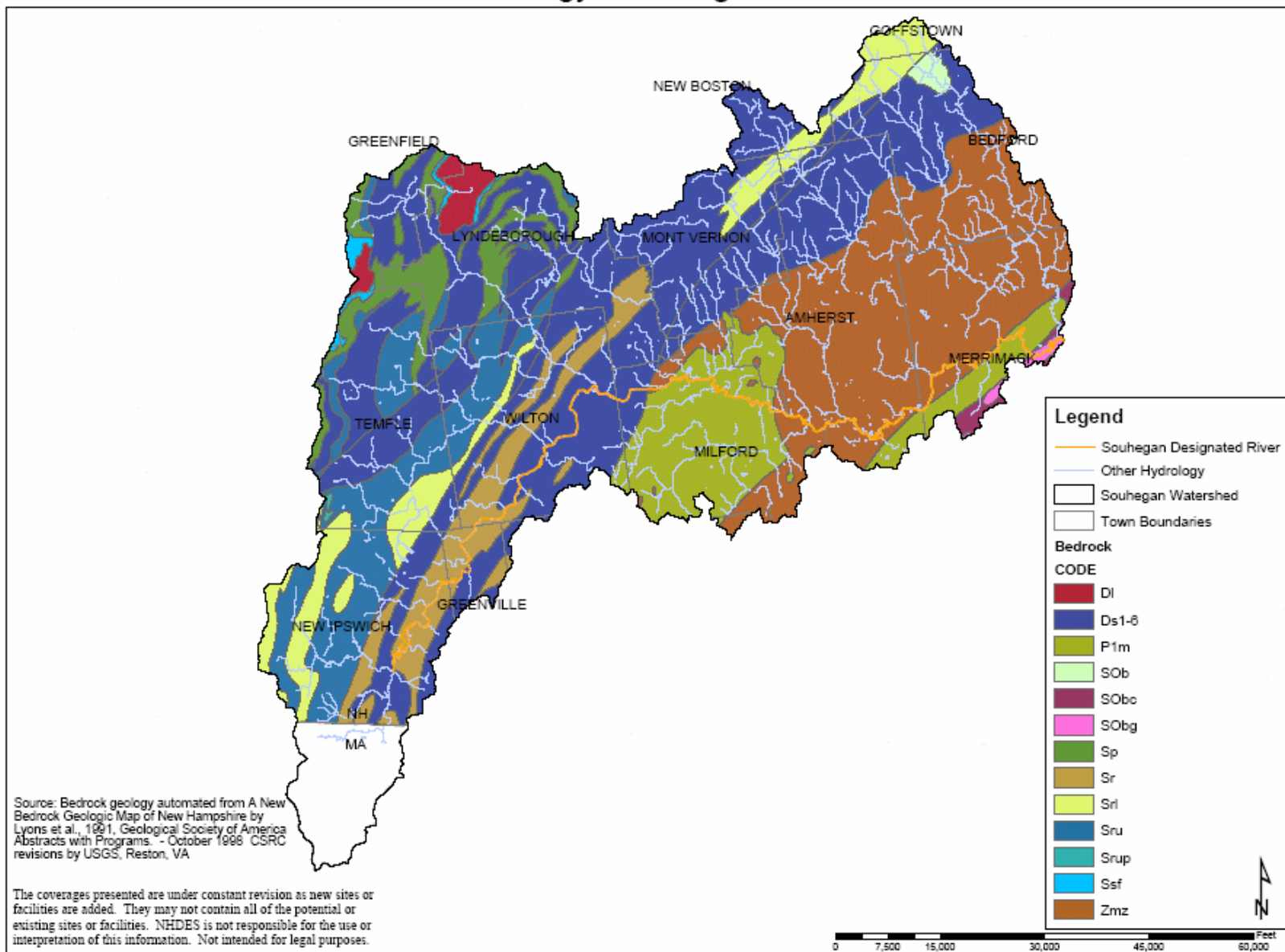
# Biomonitoring Locations - Souhegan River WMPA



### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Hydrological resource	1. Flows range from a high of 818 cfs in April to a low of 39 cfs in September. The 7Q10 flow is 12.8 cfs. <sup>2</sup> Flows in the River have been modified over the years by the construction of 12 flood control structures.	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. The Milford-Souhegan aquifer consists of as much as 114 ft. thick of unconsolidated glacial sediments and has a maximum saturated thickness of approximately 100 ft. “Horizontal hydraulic conductivity of stratified-drift deposits ranges from approximately 1 to 1,000 ft per day.” The groundwater flow is governed by the hydraulic connection between the Souhegan River and its tributaries. In the western reaches of the Souhegan River, the River recharges the aquifer and ground water flow is away from the river. In the eastern reaches ground water discharges into the river and ground-water flow is towards the river. Based on October 1998 streamflow data the aquifer is recharged from surface water infiltration at a rate of 1.44 ft <sup>3</sup> /s. A major component of the withdrawals is for the Milford Fish Hatchery and is sustained primarily by induced infiltration from streamflow. The Savage well in the western part of the aquifer captures 47 percent of its pumped water from surface-water infiltration. “Sensitivity analyses showed that the importance of stream hydraulic characteristics on the recharge area to a well is inversely related to the amount of stream length in contact with the contributing areas.”	Harte, P. T.; Mack, T. J. Geohydrology of and simulation of ground-water flow in, the Milford-Souhegan glacial-drift aquifer, Milford, New Hampshire.” 1992 Report Number 91-4177.
	3. See attached map - Stratified Drift Aquifers - Souhegan River WMPA	NH DES GIS coverages
Geological Resource	1. The River runs through a gorge in Greenville with steep sides. The Horseshoe in Wilton is another geologically significant area that serves as the local swimming hole.	<sup>1</sup> Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. See attached map - Bedrock Geology - Souhegan River WMPA	NH DES GIS coverages
	* Refer to section on Hydrological Resource	

## Bedrock Geology - Souhegan River WMPA





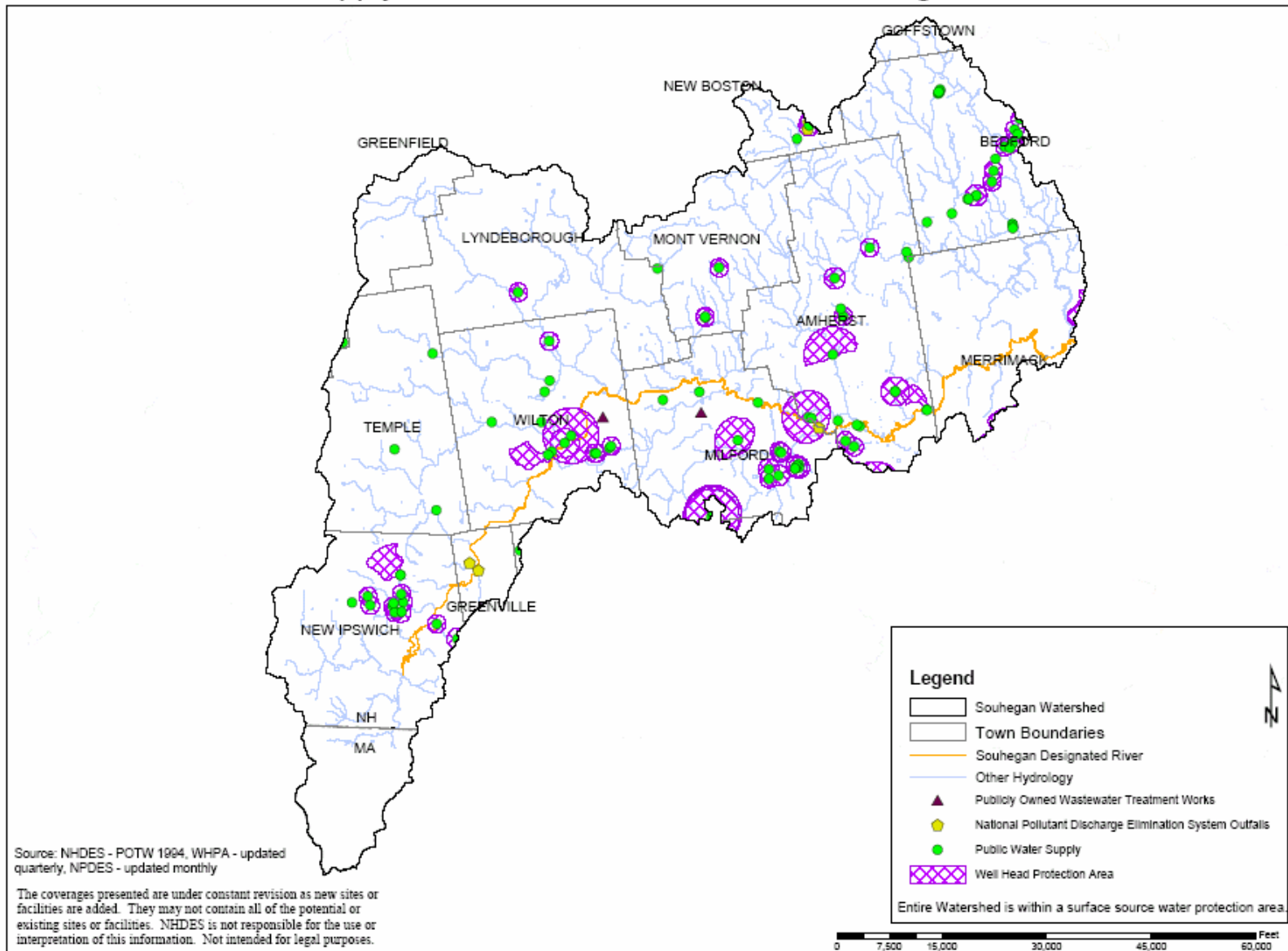
### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Fish Habitat	1. Atlantic salmon nursery habitat (gravelly, sloping bottoms, water temps., oxygen levels, and food sources), identified by USFWS as the best nursery habitat in the region. Souhegan River is part of the Merrimack River anadromous fish restoration program and is considered one of the most productive rivers in the watershed.	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. “Lower than expected diversity and relative abundances of fish species were observed in the lower portion of the Souhegan River starting just downstream of Wilton, NH and are attributed to lack of favorable habitat combined with the intense fishing pressure that the river receives during warmer months.”	Souhegan River Watershed Report NHDES May 1997
Wildlife Habitat	1. The western reaches of the river corridor are undeveloped and provide access between a number of large public and semi-public protected resource areas. In addition, the River corridor serves as a travel corridor in the developed areas of the region between the protected open spaces. * See also Rare Species and Habitat section.	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. See attached map: Conservation Lands - Souhegan River WMPA	NH DES GIS coverages
	3. See attached map: Land Use - Souhegan River WMPA	NH DES GIS coverages
	4. See attached map: Land Use - Tree Cover - Souhegan River WMPA	NH DES GIS coverages
Scientific Resource	None identified (March 12, 2004)	NH DES GIS coverages
Protection of Water Quality and Public Health	1. Souhegan River supports its water quality classification, class B, at all locations. Certain sites exceeded acceptable limits for bacteria (below Wilton and at 122 bridge) and Phosphorous (Greenville and Milford wastewater treatment facilities and continued downstream). Low DO levels were also documented at the Pine Valley Mill site.	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. The Souhegan River, with one exception, met all of its water quality standards criteria during dry weather and demonstrated that it is fully supporting its Class B designation of being fishable and swimmable. However, the biotic integrity of the waterbody does show signs of impairment and degradation. Cold-water and pollutant intolerant non-game species were present in the Souhegan, indicating that chemical and physical water quality conditions are favorable to supporting a diverse cold and warm water fishery. While only one station was rated non-impacted, most supported healthy macroinvertebrate communities and fell into the slight impact range. A list and analysis of macroinvertebrates can be found in the Souhegan River Watershed Report. * Refer to sections on Cultural Resource and Pollution Abatement	Souhegan River Watershed Report NHDES May 1997
Community Resource	* Refer to sections on Cultural Resource and Recreation	

### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Pollution Abatement	1. Point Source Discharges include: <ul style="list-style-type: none"> <li>• Greenville WWTF (wastewater)</li> <li>• Souhegan Wood products (non-contact cooling waters)</li> <li>• Hitchiner Manufacturing (non-contact cooling waters)</li> <li>• Milford WWTF (wastewater)</li> <li>• Harcros Chemicals (non-contact cooling waters)</li> </ul>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. Savage Well and Fletcher Paint Superfund sites are located in Milford, NH adjacent to the river and have historically indirectly discharged pollutants into the waterbody.	Souhegan River Watershed Report NHDES May 1997
	See attached map – Public Water Supply, POTW and NPDES Sites – Souhegan River WMPA	NH DES GIS coverages

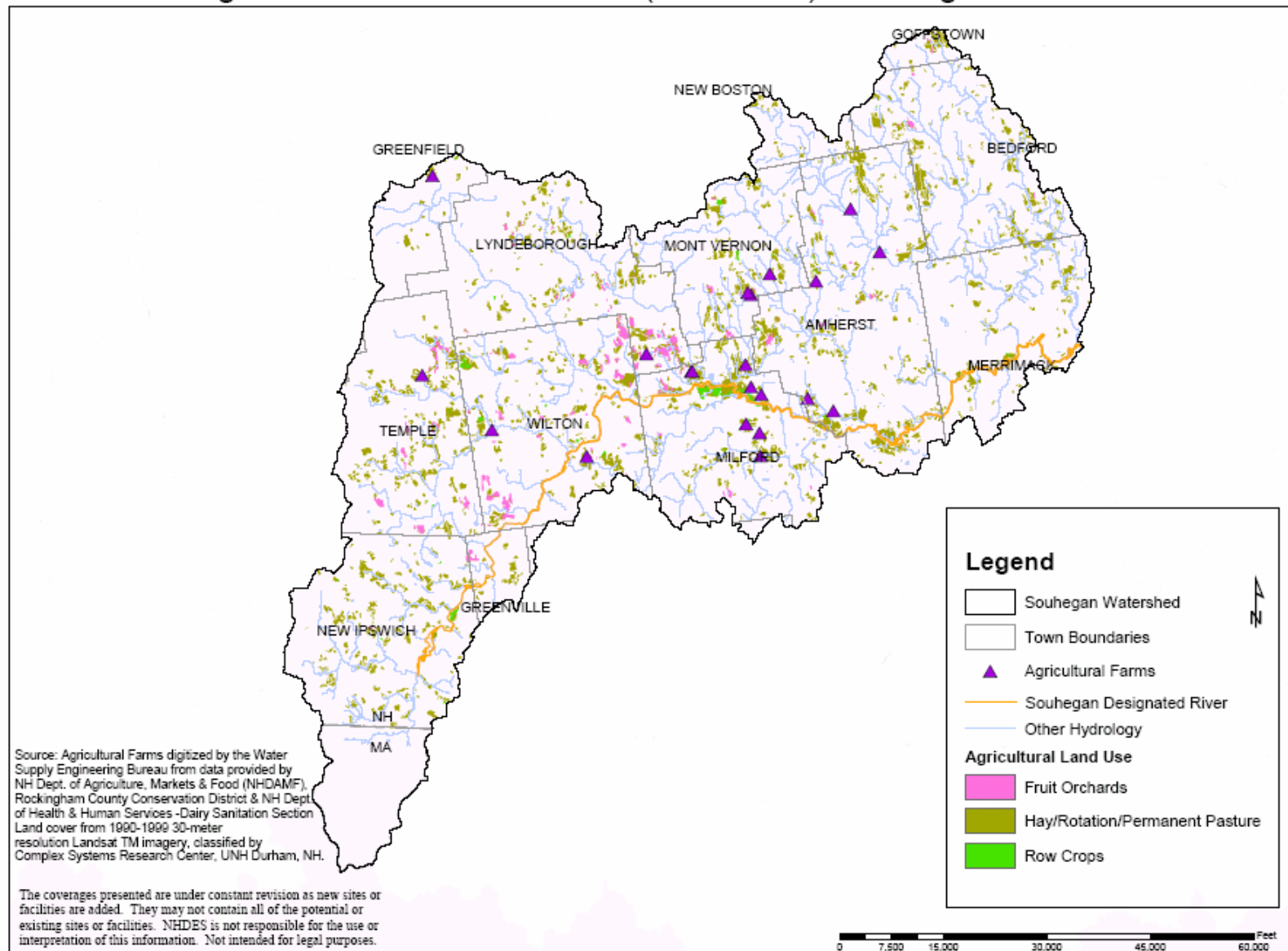
## Public Water Supply, POTW, and NPDES Sites - Souhegan River WMPA



### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Ecological	Refer sections on Wildlife, Wildlife Habitat, Fish Habitat, Rare Species or Habitat, and Maintenance and Enhancement of Aquatic and Fish Life	
Scenic resource	Moving west to east: RT. 31 travel along scenic Water Loom Pond and under High Bridge in the center of Town. In Greenville RT. 31 affords views of pastures and agricultural lands and a scenic gorge protected through a donation of land by the Taft Family. RT. 31 proceeds through a 3.2 mile corridor protected by a scenic easement donated by the NHDOT. The Horseshoe in Wilton is an area where the River passes through a series of ledges that are steep on one side. Wilton a new entrant into the Main St. program is putting emphasis on the River. River enters Milford and passes under historic Green Bridge. The Souhegan River Trail follows the River along the state owned fish hatchery property and the adjacent Town owned property. Of note in Merrimack are Indian Ledges and Wildcat Falls. The Currier land also known as Eighty Acres permanently protects Wildcat Falls in public ownership.	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
Hydroelectric Energy Production	Four Hydroelectric facilities: <ul style="list-style-type: none"> <li>• Waterloom Pond Dam in New Ipswich (ADO)</li> <li>• Otis Dam in Greenville</li> <li>• Souhegan River Dam in Greenville</li> <li>• Pine Valley Mill in Wilton</li> </ul>	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	See attached map – Souhegan River WMPA – All Active Dams	NH DES GIS coverages
Agricultural	Land in Milford used as agricultural fields	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	See attached map - Agricultural Land in Production (1990-1999) - Souhegan River	NH DES GIS coverages
	See attached map – Land Use - Souhegan River WMPA	NH DES GIS coverages

## Agricultural Land in Production (1990-1999) - Souhegan River



### Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Public Water Supply	1. Pennichuck Water Works maintains the right to withdraw water.	Souhegan River Nomination May 1999. Prepared by the Souhegan Watershed Association and the Nashua Regional Planning Commission
	2. See attached map – Public Water Supply, POTW, and NPDES Sites - Souhegan River WMPA See attached table – Public Water Supply, POTW, and NPDES Sites - Souhegan River WMPA See attached table – Public Water Supplies in the Souhegan WMPA	NH DES GIS coverages
	3. See attached map - Stratified Drift Aquifers - Souhegan River WMPA	NH DES GIS coverages

## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

### Publicly Owned Treatment Works, Non-Point Discharge Elimination System and Public Water Supply Locations in the Souhegan River WMPA (NHDES - POTW data - 1994, WHPA and NPDES data - 2004)

#### Souhegan WMPA POTW's

POTW_ID	TOWN
1	MILFORD
49	WILTON

#### Souhegan WMPA NPDES Locations

ID	FACILITY	ADDRESS	TOWN	IND_MUN	STREAM
0100471	Milford Wastewater Treatment Facility	Nashua Street	Milford	mun	Souhegan River
0100919	Greenville Wastewater Treatment Facility	109 Old Wilton Road	Greenville	mun	Souhegan River
0000973	Pilgrim Foods, Inc.		Greenville	ind	Souhegan River, GWP
0090077-001	New Boston Air Force Station		New Boston	ind	Beaver Pond

#### Souhegan WMPA AWS's

PWSID	NAME	ADDRESS	TOWN	WHPA_VOL	YIELD	POPULATION	SOURCE_TYP	SOURCE_ACT	SOURCE_REC	WELL_TYPE	WELL_DEPTH	SYSTEM_TYP
0071010-001	AMHERST VILLAGE DISTRICT	OLD NASHUA RD	AMHERST	288000	170.00	1080	G	A	SG	BRW	317	P
0072070-002	SOUHEGAN WOODS	COUNTRY RD	AMHERST	122400	85.00	288	G	A	SG	DUG	30	P
0072080-001	GOWING WOODS	GOWING LN	AMHERST	12960	9.00	53	G	A	SG	BRW	310	P
0073030-001	RIDGEWOOD ESTATES	COUNTY RD	AMHERST	20925	30.00	115	G	A	SG	BRW	1000	P
0073030-002	RIDGEWOOD ESTATES	COUNTY RD	AMHERST	20925	35.00	115	G	A	SG		0	C
0076040-001	SALZBURG SQUARE	RTE 101	AMHERST	1500	0.00	25	G	A	SG		0	C
0076120-001	AMHERST PROFESSIONAL BLDG	103 PONEMAH RD, JCT RTE 122 AND RTE 101A	AMHERST	600	10.00	47	G	A	SG	BRW	715	N
0076130-001	COLONIAL PARK	RTE 101A	AMHERST	1050	0.00	45	G	A	SG	BRW	100	N
0077010-001	CAMP YOUNG JUDAEA/THE GROVE	CAMP RD	AMHERST	0	0.00	450	G	A	SG	BRW	515	N
0077020-001	CAMP YOUNG JUDAEA/FARMHOUSE	CAMP RD, RTE 101 W TOWARD MILFORD	AMHERST	0	0.00	450	G	A	SG	BRW	500	P
0077030-001	AMHERST COUNTRY CLUB	76 PONEMAH RD, RTE 122 S	AMHERST	0	30.00	180	G	A	SG	BRW	645	P
0077040-001	AMHERST COUNTRY CLUB POOL	76 PONEMAH RD, RTE 122 S	AMHERST	0	0.00	100	G	A	SG	ART	150	P
0078050-001	BLACK FOREST CAFE	212 RTE 101	AMHERST	0	11.00	25	G	A	SG	BRW	175	P
0078090-001	THE MEETING PLACE	199 RTE 101	AMHERST	1500	100.00	76	G	A	SG	BRW	370	P
0078110-001	PONEMAH GREEN	55 PONEMAH RD	AMHERST	0	50.00	100	G	A	SG	BRW	325	P
0195090-001	BETHANY COVENANT CHURCH	1 COVENANT WAY	BEDFORD	1200	150.00	79	G	A	SG		0	C
0196020-001	101 PLAZA	RTE 101	BEDFORD	3750	0.00	1053	G	A	SG	BRW	445	P
0196170-001	PINE TREE PLACE CONDOMINIUMS	360 RTE 101W	BEDFORD	13050	45.00	35	G	A	SG	GPW	52	C
0196170-002	PINE TREE PLACE CONDOMINIUMS	360 RTE 101W	BEDFORD	13050	15.00	35	G	A	SG	GPW	52	C
0196180-001	BEDFORD VILLAGE SHOPS	RTE 101	BEDFORD	3585	6.00	67	G	A	SG	DUG	21	P
0196180-002	BEDFORD VILLAGE SHOPS	RTE 101	BEDFORD	3585	12.00	67	G	A	SG	BRW	290	N
0196210-001	HORNE 101 LLC	288 RTE 101	BEDFORD	600	0.00	45	G	A	SG	BRW	145	P
0196220-001	BEDFORD WEST CONVENIENCE CTR	RTE 101	BEDFORD	0	100.00	180	G	A	SG	BRW	225	P
0198060-001	HILL BROOK MOTEL	250 RTE 101	BEDFORD	0	10.00	25	G	A	SG	BRW	185	C
0198070-001	SHORTYS MEXICAN ROADHOUSE II	230 RTE 101W	BEDFORD	0	30.00	200	G	A	SG	BRW	800	P
0198100-001	WEATHERVANE REST 4	RTE 101	BEDFORD	0	3.00	100	G	A	SG	BRW	500	P
0198100-002	WEATHERVANE REST 4	RTE 101	BEDFORD	0	10.00	100	G	A	SG	BRW	380	P
0199030-001	BEDFORD PRESBYTERIAN CHURCH	4 CHURCH RD	BEDFORD	421	15.00	50	G	A	SG	BRW	105	N
0199050-001	DR DUNNS DENTAL OFFICES	BELL HILL RD	BEDFORD	0	0.00	25	G	A	SG	BRW	100	P
0199060-001	ANIMAL RESCUE LEAGUE OF NH	545 RTE 101	BEDFORD	0	5.00	40	G	A	SG	BRW	306	N
0991010-002	GREENVILLE WATER DEPT	RTE 45	GREENVILLE	250300	0.00	1100	S	A	SS	BRW	500	N

**Souhegan IPUOCR entities – Preliminary List – March 24, 2004**

<b>Publicly Owned Treatment Works, Non-Point Discharge Elimination System and Public Water Supply Locations in the Souhegan River WMPA (NHDES - POTW data - 1994, WHPA and NPDES data - 2004)</b>												
1445010-001	LYNDEBOROUGH CENTRAL SCHOOL	192 RTE 31	LYNDEBOROUGH	3000	20.00	120	G	A	SG	BRW	1140	C
1447010-001	ECHO VALLEY CAMPGROUND	PURGATORY ROAD	LYNDEBOROUGH	0	7.50	55	G	A	SG	BRW	320	C
1518010-001	PICKITY PLACE	NUTTING HILL RD, PO BOX 544	MASON	0	3.00	60	G	A	SG	BRW	360	P
1561010-004	MILFORD DEPT OF PUBLIC WORKS	RTE 101A	MILFORD	1008000	700.00	8500	G	A	SG	BRW	485	P
1561010-005	MILFORD DEPT OF PUBLIC WORKS	RTE 101A	MILFORD	576000	400.00	8500	G	A	SG	BRW	300	P
1562020-001	ASHLEY COMMONS	OLD BROOKLINE RD, ARMORY RD	MILFORD	7451	25.00	75	G	A	SG	BRW	700	C
1563020-001	FAIRHAVEN MOBILE HOME PARK	FAIRHAVEN AVE	MILFORD	3750	20.00	63	G	A	SG	GPW	35	P
1565010-001	LITTLE ARROWS CHILD CARE SVS	365 SOUTH ST, RTE 13	MILFORD	1000	8.00	52	G	A	SG	GPW	60	C
1565030-001	CHILDRENS CHOICE	15 HAMMOND RD	MILFORD	495	0.00	33	G	A	SG	BRW	600	C
1566020-001	MILFORD TECHNOLOGY CENTER	528 RTE 13S	MILFORD	7400	90.00	160	G	A	SG	BRW	400	C
1566990-001	DRAM CUP HILL SPRING WATER	1 SAVAGE RD	MILFORD	0	0.00	0	G	A	SG	BRW	1000	P
1567020-003	HAMPSHIRE HILLS SPORTS/FITNESS	50 EMERSON RD, OFF ARMORY RD	MILFORD	12000	0.00	35	G	A	SG	PTW	30	N
1567020-004	HAMPSHIRE HILLS SPORTS/FITNESS	50 EMERSON RD, OFF ARMORY RD	MILFORD	12000	35.00	35	G	A	SG	GPW	45	N
1567020-005	HAMPSHIRE HILLS SPORTS/FITNESS	50 EMERSON RD, OFF ARMORY RD	MILFORD	12000	0.00	35	G	A	SG	BRW	450	N
1568010-001	THE MILE AWAY RESTAURANT	52 FEDERAL HILL RD	MILFORD	0	2.00	175	G	A	SG	BRW	211	P
1568010-002	THE MILE AWAY RESTAURANT	52 FEDERAL HILL RD	MILFORD	0	0.00	175	G	A	SG		0	C
1603010-001	ROLLING ACRES MOBILE HOME PARK	MOBILE COACH LN	MONT VERNON	3250	15.00	100	G	A	SG	BRW	500	N
1603010-002	ROLLING ACRES MOBILE HOME PARK	MOBILE COACH LN	MONT VERNON	3250	2.00	100	G	A	SG	BRW	200	P
1605010-001	MONT VERNON VILLAGE SCHOOL	98 HARWOOD RD	MONT VERNON	5250	5.00	210	G	A	SG	BRW	272	N
1646020-002	USAF NH SATELLITE TRACKING STN	CHESTNUT HILL RD, BLDG 107 ANNEX	NEW BOSTON	10000	50.00	150	G	A	SG	BRW	845	C
1649040-001	NEW BOSTON AIR STATION COM CTR	ON ORBIT DR	NEW BOSTON	0	100.00	25	G	A	SG	BRW	168	N
1712010-001	APPLETON GARDENS	APPLETON RD	NEW IPSWICH	5250	35.00	57	G	A	SG	GPW	36	C
1713010-002	VAILLANCOURT MOBILE HOME PARK	OLD TEMPLE RD	NEW IPSWICH	12300	90.00	112	G	A	SG	GPW	38	C
1713010-003	VAILLANCOURT MOBILE HOME PARK	OLD TEMPLE RD	NEW IPSWICH	12300	150.00	112	G	A	SG	BRW	1000	N
1715010-001	MASCENIC CENTRAL SCHOOL	RTE 124	NEW IPSWICH	3480	12.00	200	G	A	SG	BRW	600	P
1715020-001	MASCENIC REGIONAL HIGH SCHOOL	500 TURNPIKE RD	NEW IPSWICH	10050	10.00	450	G	A	SG	BRW	100	N
1715030-001	APPLETON ELEMENTARY SCHOOL	162 KINGS RD	NEW IPSWICH	4040	10.00	202	G	A	SG	BRW	400	N
1715040-001	BOYNTON MIDDLE SCHOOL	RTE 124	NEW IPSWICH	13325	14.00	533	G	A	SG	BRW	0	N
1715050-001	WEE DREAMS LEARNING CENTER	712 TURNPIKE RD, RTE 124	NEW IPSWICH	5000	0.00	100	G	A	SG	BRW	1300	C
1716050-001	VANGUARD MANUFACTURING	90 TEMPLE RD	NEW IPSWICH	3200	12.00	55	G	A	SG	BRW	1407	C
1716060-001	APPLETON BUSINESS CENTER	TRICNIT RD	NEW IPSWICH	1000	12.00	32	G	A	SG	BRW	550	C
1716070-001	NEWEST MALL SHOPPING PLAZA	RTE 123/124	NEW IPSWICH	0	0.00	25	G	A	SG	BRW	440	C
1716080-001	WARWICK MILLS INC	301 TURNPIKE RD	NEW IPSWICH	2000	15.00	65	G	A	SG	BRW	300	C
1717020-001	MEMORIAL FIELD	TEMPLE RD	NEW IPSWICH	0	17.50	100	G	A	SG	BRW	575	C
1877020-001	MILLER STATE PARK	ROUTE 101, AUTO RD	PETERBOROUGH	0	5.00	25	G	A	SG	BRW	410	N
2327030-001	PONY FARM	SIGN OF THE DOVE FARM	TEMPLE	0	0.00	40	G	A	SG	SPR	15	P
2328020-001	BIRCHWOOD INN	RTE 45, OFF RTE 101	TEMPLE	0	35.00	25	G	A	SG	SPR	15	P
2521010-005	WILTON WATER WORKS	MAIN ST	WILTON	648000	440.00	1575	G	A	SG	ART	125	N
2521010-006	WILTON WATER WORKS	MAIN ST	WILTON	648000	400.00	1575	G	A	SG	BRW	0	P
2525010-001	HIGH MOWING SCHOOL	ABBOTT HILL RD, OPPOSITE RTE 101 AND RTE 31N	WILTON	678	26.00	140	G	A	SG	BRW	920	C
2525010-002	HIGH MOWING SCHOOL	ABBOTT HILL RD, OPPOSITE RTE 101 AND RTE 31N	WILTON	660	14.00	140	G	A	SG	GPW	60	N
2525020-002	PINE HILL WALDORF SCHOOL	ABBOTT HILL RD	WILTON	2000	6.00	230	G	A	SG	BRW	77	N
2526020-001	PEP DIRECT INC	STONEY BROOK DR, OFF 31N	WILTON	2800	15.00	415	G	A	SG	GPW	55	C
2526990-001	MONADNOCK MTN SPRING WATER CO	8 MANSUR RD	WILTON	36796	0.00	0	G	A	SG	GPW	47	C
2526990-002	MONADNOCK MTN SPRING WATER CO	8 MANSUR RD	WILTON	73592	0.00	0	G	A	SG	BRW	0	P
2527010-002	CAMP ANNE JACKSON /UPPER	WILSON RD, RTE 101	WILTON	0	2.00	150	G	A	SG	BRW	100	P
2528010-001	HARVEST RESTAURANT	944 GIBBS HWY, RTE 101 W	WILTON	0	0.00	60	G	A	SG	BRW	650	N



## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

### AWU Public Water Supplies in Sougehan WMPA

USERID	EPA ID	USERNAME	FACILITY	Source Type	Description
20190	0077030	AMHERST COUNTRY CLUB	AMHERST COUNTRY CLUB	GW*	GPW /220' SW of Club House
20100	1561010	MILFORD WATER WORKS and WWTF	MILFORD WATER WORKS	GW	GPW Curtis 2/West
20100	1561010	MILFORD WATER WORKS and WWTF	MILFORD WATER WORKS	GW	GPW Curtis 1/ East
20621	2526990	MONADNOCK MOUNTAIN SPRING	MONADNOCK MOUNTAIN WATER	GW	SPR 1 / 250' S of Plant
20621	2526990	MONADNOCK MOUNTAIN SPRING	MONADNOCK MOUNTAIN WATER	GW	SPR 2 / 2/10 Mile NNW of Plant across Rt. 101
20000	0071010	PENNICHUCK WATER WORKS	AMHERST VILLAGE DISTRICT	GW	GPW /IN PS
20659	0072070	PENNICHUCK WATER WORKS	SOUHEGAN WOODS	GW	GPW 4/1010' SW of Pump House
20659	0072070	PENNICHUCK WATER WORKS	SOUHEGAN WOODS	GW	GPW 1/920' SW of PH
20624	0078110	PONEMAH GREEN GOLF COURSE	PONEMAH GREEN GOLF COURSE	GW*	GPW /671' SW of Rear Cnr Clubhouse
20065	2521010	WILTON WATER WORKS	WILTON WATER WORKS	GW	Everett GPW /In PH
20065	2521010	WILTON WATER WORKS	WILTON WATER WORKS	GW	Abbott GPW /400' N of PH and 400' E of RTE 31
20047	991010	GREENVILLE TOWN	GREENVILLE WATER WORKS	SW	Toby Reservoir

Data collected from the Water Supply Engineering Bureau data base on January 21, 2004

\* Well may be unregistered or included in other surface water withdrawals.

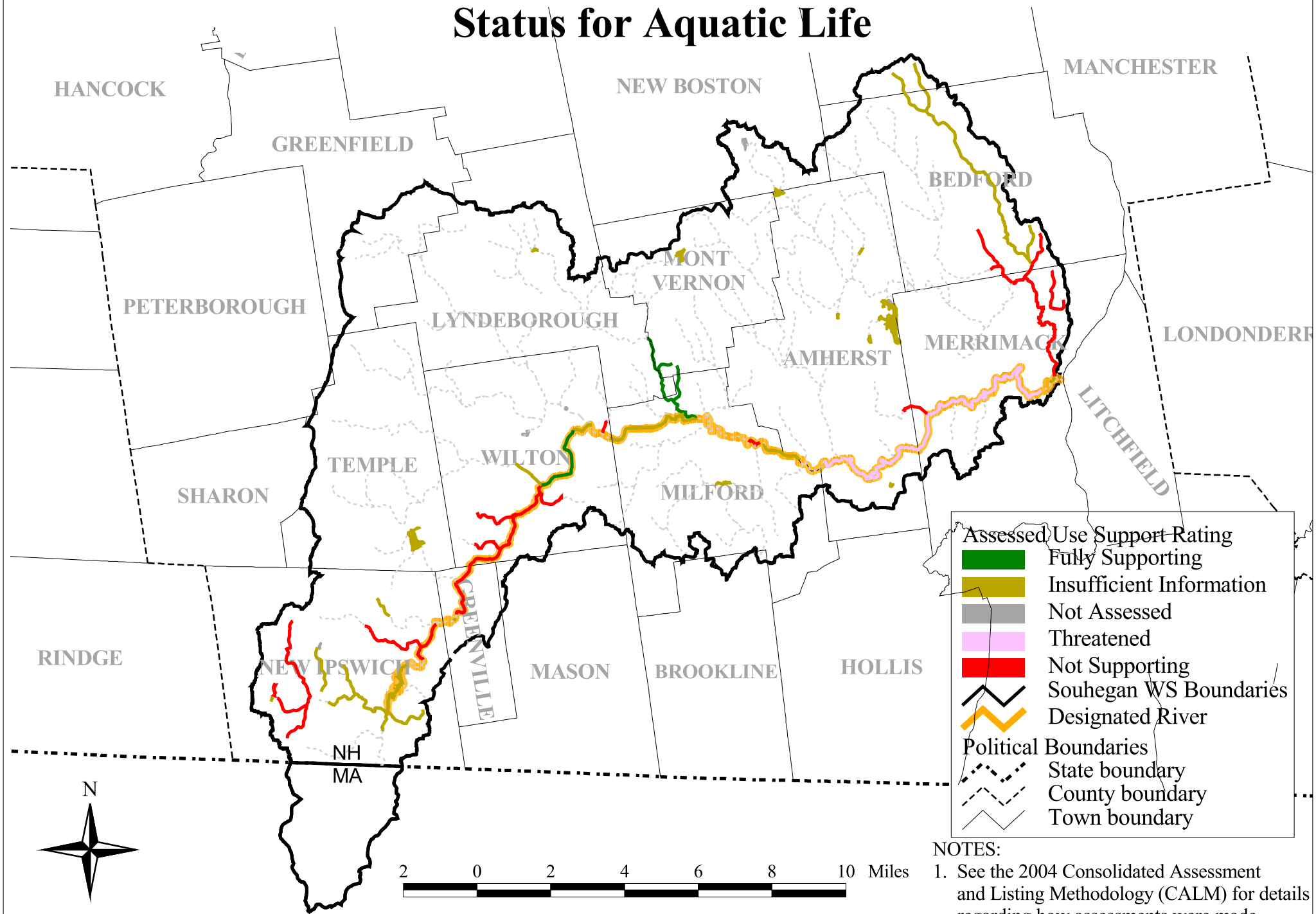
## Souhegan IPUOCR entities – Preliminary List – March 24, 2004

Clean Water Act Designated Uses		
Aquatic life	See attached document - Souhegan DR mainstem AUID and 2004 draft assessment status	NHDES Watershed Management Bureau <a href="http://www.des.state.nh.us/wmb/">www.des.state.nh.us/wmb/</a> Draft 2004 Section 305(b) and 303(d) Surface Water Quality Report
	See attached map – Draft 2004: NH Use Support Status for Aquatic Life	NH DES 303(d) and 305 (b)
Drinking Water After Adequate Treatment	See attached document - Souhegan DR mainstem AUID and 2004 draft assessment status	NHDES Watershed Management Bureau <a href="http://www.des.state.nh.us/wmb/">www.des.state.nh.us/wmb/</a> Draft 2004 Section 305(b) and 303(d) Surface Water Quality Report
	See attached map– Draft 2004: NH Use Support Status for Drinking Water After Adequate Treatment	NH DES 303(d) and 305 (b)
	See attached map– Draft 2004: NH Use Support Status for Drinking Water After Adequate Treatment	NH DES 303(d) and 305 (b)
Fish Consumption	See attached document - Souhegan DR mainstem AUID and 2004 draft assessment status	NHDES Watershed Management Bureau <a href="http://www.des.state.nh.us/wmb/">www.des.state.nh.us/wmb/</a> Draft 2004 Section 305(b) and 303(d) Surface Water Quality Report
	See attached map– Draft 2004: NH Use Support Status for Fish Consumption	NH DES 303(d) and 305 (b)
Primary Contact Recreation	See attached document - Souhegan DR mainstem AUID and 2004 draft assessment status	NHDES Watershed Management Bureau <a href="http://www.des.state.nh.us/wmb/">www.des.state.nh.us/wmb/</a> Draft 2004 Section 305(b) and 303(d) Surface Water Quality Report
	See attached map– Draft 2004: NH Use Support Status for Primary Contact Recreation	NH DES 303(d) and 305 (b)
Secondary Contact	See attached document - Souhegan DR mainstem AUID and 2004 draft assessment status	NHDES Watershed Management Bureau <a href="http://www.des.state.nh.us/wmb/">www.des.state.nh.us/wmb/</a> Draft 2004 Section 305(b) and 303(d) Surface Water Quality Report
	See attached map– Draft 2004: NH Use Support Status for Secondary Contact Recreation	NH DES 303(d) and 305 (b)
Wildlife	See attached document - Souhegan DR mainstem AUID and 2004 draft assessment status	NHDES Watershed Management Bureau <a href="http://www.des.state.nh.us/wmb/">www.des.state.nh.us/wmb/</a> Draft 2004 Section 305(b) and 303(d) Surface Water Quality Report
	See attached map– Draft 2004: NH Use Support Status for Wildlife	NH DES 303(d) and 305 (b)
All Uses	See attached map– Draft 2004: All Threatened and/or Impaired Waters	NH DES 303(d) and 305 (b)

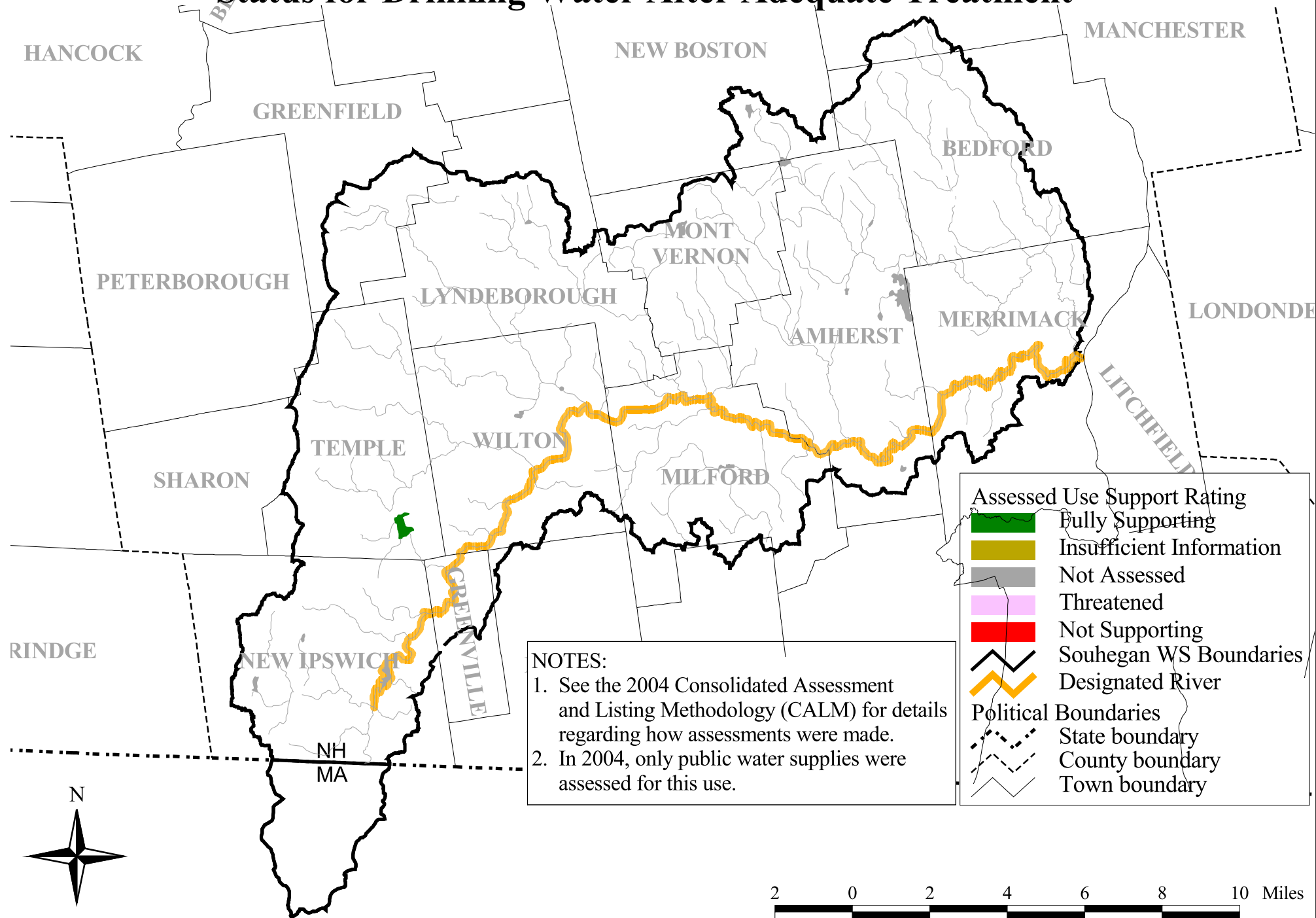
**Souhegan IPUOCR entities – Preliminary List – March 24, 2004**

<b>Souhegan DR mainstem AUID and 2004 draft assessment status summary</b>						<b>March 2004</b>		
AU ID	Length or dimensions	Units	Aquatic Life	Drinking Water After Adequate Treatment	Fish Consumption	Primary Contact Recreation	Secondary Contact	Wildlife
NHIMP700060901-04	0.92	acres	NA	NA	NS*	NA	NA	NA
NHIMP700060902-01	0.55	acres	IS	NA	NS*	FS	FS	NA
NHIMP700060902-02	0.5	acres	NA	NA	NS*	NA	NA	NA
NHIMP700060902-07	8	acres	NA	NA	NS*	NA	NA	NA
NHIMP700060902-12	2	acres	IS	NA	NS*	IS	NA	NA
NHIMP700060904-07	4	acres	NA	NA	NS*	NA	NA	NA
NHIMP700060904-08	5	acres	NA	NA	NS*	NA	NA	NA
NHIMP700060906-07	8	acres	NS	NA	NS*	IS	NA	NA
NHIMP700060906-08	3	acres	NA	NA	NS*	NA	NA	NA
NHIMP700060906-14	12	acres	NA	NA	NS*	NA	NA	NA
NHLAK700060901-01	42.7	acres	IS	NA	NS*	NA	NA	NA
NHRIV700060901-05	5.74	miles	IS	NA	NS*	FS	FS	NA
NHRIV700060901-07	0.5	miles	NA	NA	NS*	NA	NA	NA
NHRIV700060901-09	3.34	miles	NS pH	NA	NS*	NS E. coli	FS	NA
NHRIV700060902-05	8.63	miles	NS Aluminum NS Benthic-Macroinvertebrate bioassessments (streams) NS pH	NA	NS*	FS	FS	NA
NHRIV700060902-13	2.27	miles	FS	NA	NS*	NS E. coli	FS	NA
NHRIV700060904-13	0.39	miles	IS	NA	NS*	FS	FS	NA
NHRIV700060904-14	2.94	miles	IS	NA	NS*	IS	NA	NA
NHRIV700060906-08	6.37	miles	NA	NA	NS*	NA	NA	NA
NHRIV700060906-13	2.11	miles	NA	NA	NS*	NA	NA	NA
NHRIV700060906-14	2.94	miles	IS	NA	NS*	IS	NA	NA
NHRIV700060906-14	1.08	miles	IS	NA	NS*	IS	NA	NA
NHRIV700060906-16	0.89	miles	NA	NA	NS*	NA	NA	NA
NHRIV700060906-18	10.94	miles	IS Threatened-copper	NA	NS*	NA	NA	NA
NHRIV700060906-25	0.23	miles	NA	NA	NS*	NA	NA	NA
NS=Not Supporting					* Statewide mercury advisory on fish consumption			
FS=Fully supporting			Source: NHDES Watershed Management Bureau					
IS=insufficient information								
NA=Not assessed								

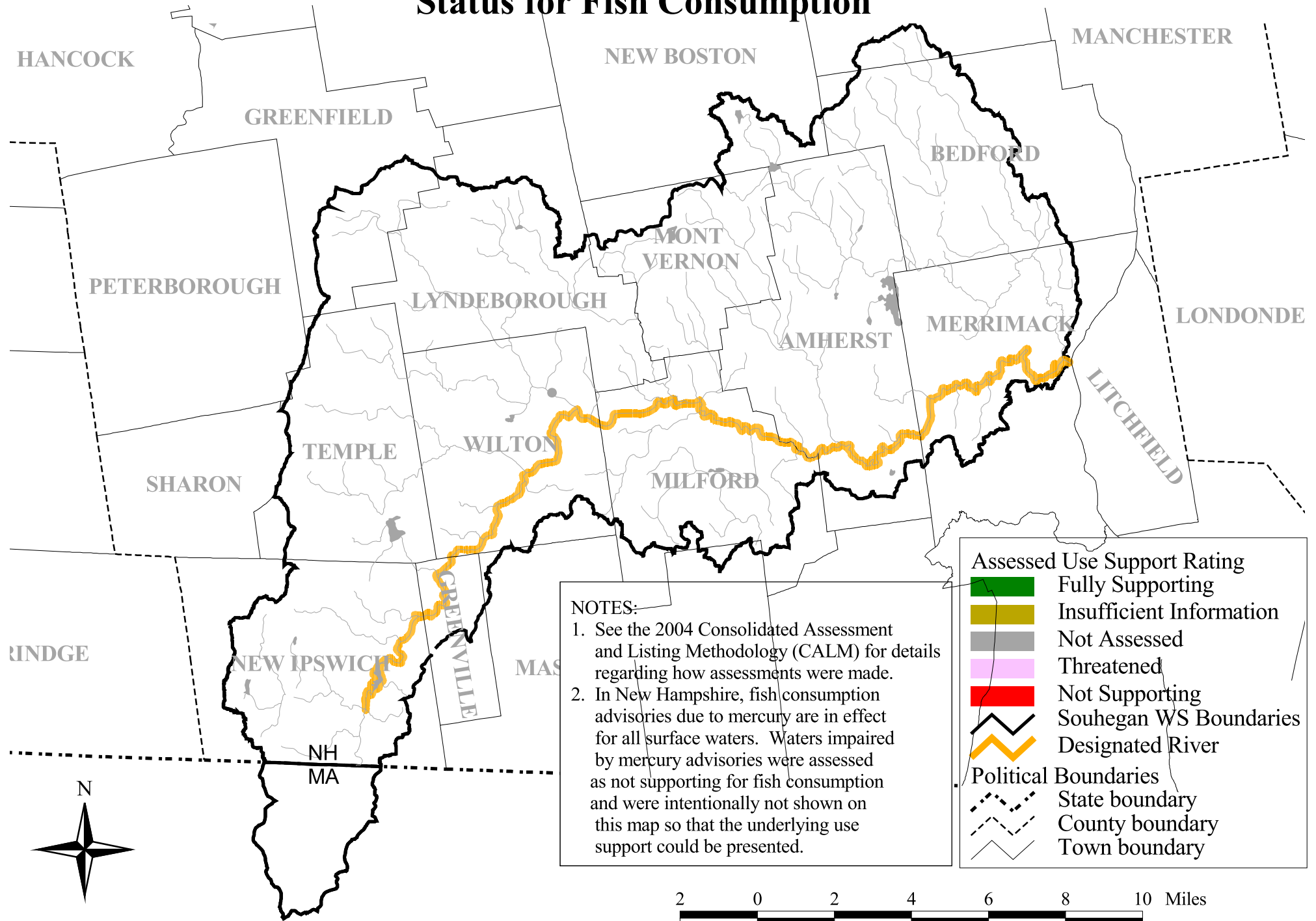
# Draft 2004: New Hampshire Use Support Status for Aquatic Life



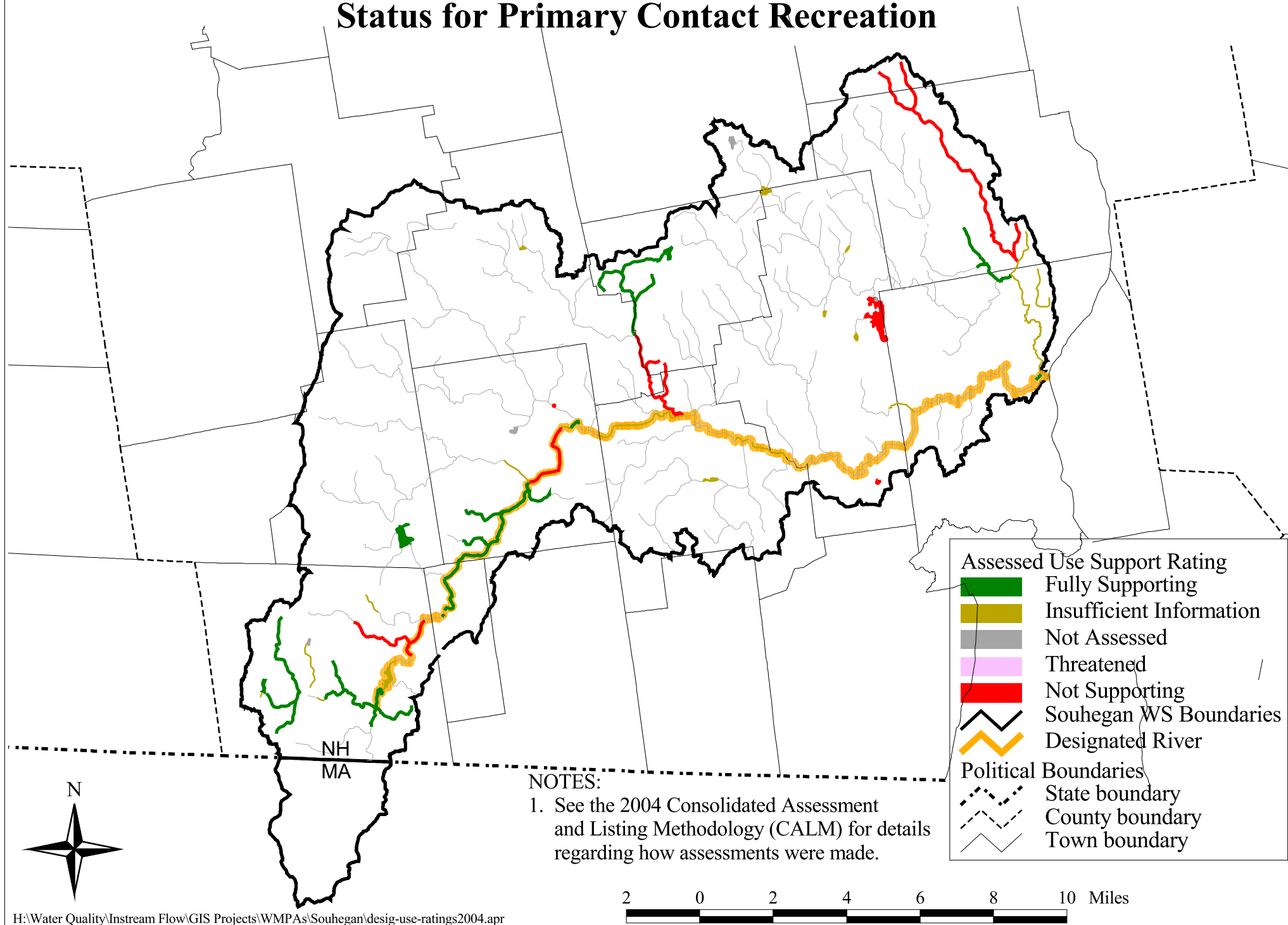
# Draft 2004: New Hampshire Use Support Status for Drinking Water After Adequate Treatment



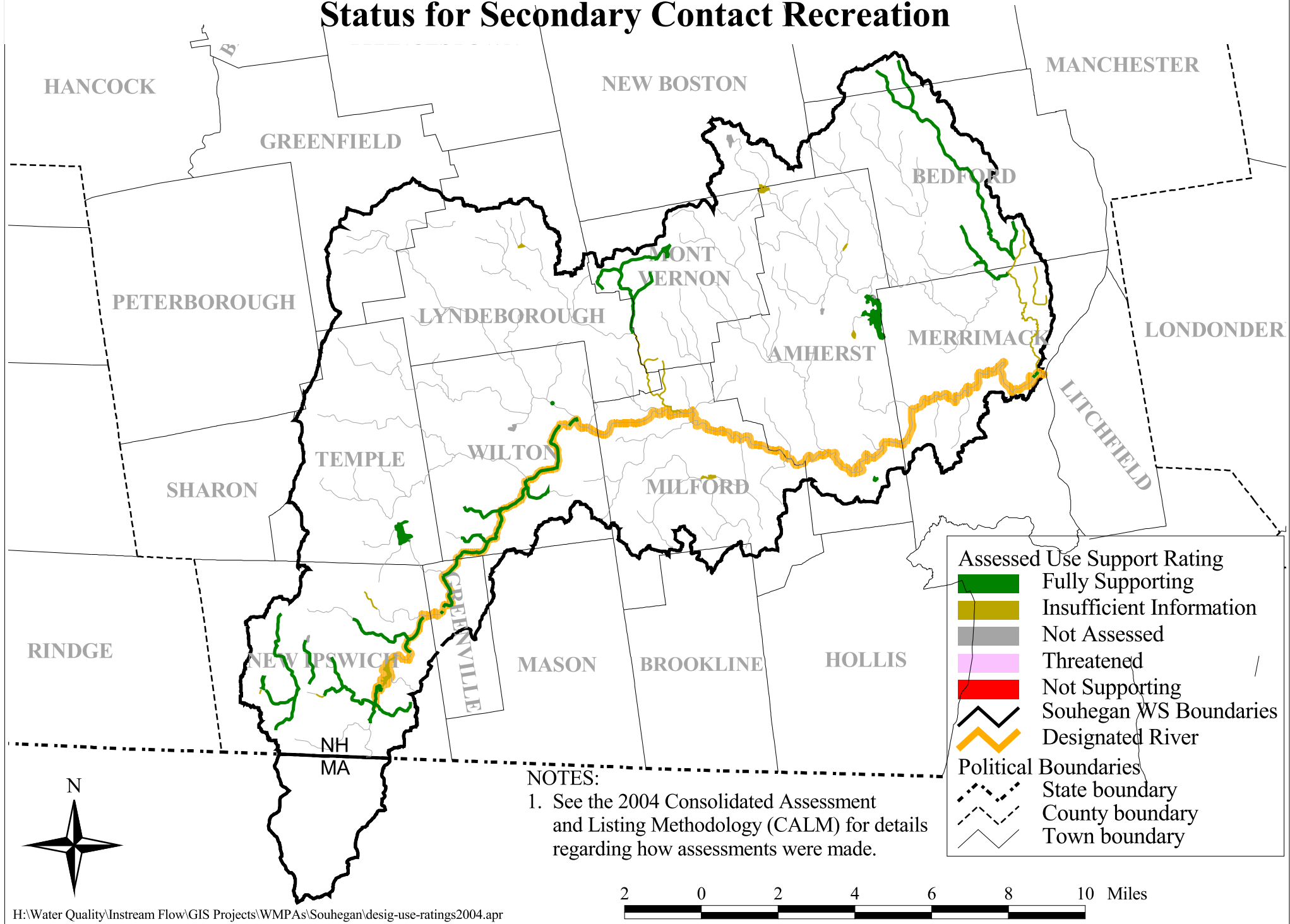
# Draft 2004: New Hampshire Use Support Status for Fish Consumption



# Draft 2004: New Hampshire Use Support Status for Primary Contact Recreation

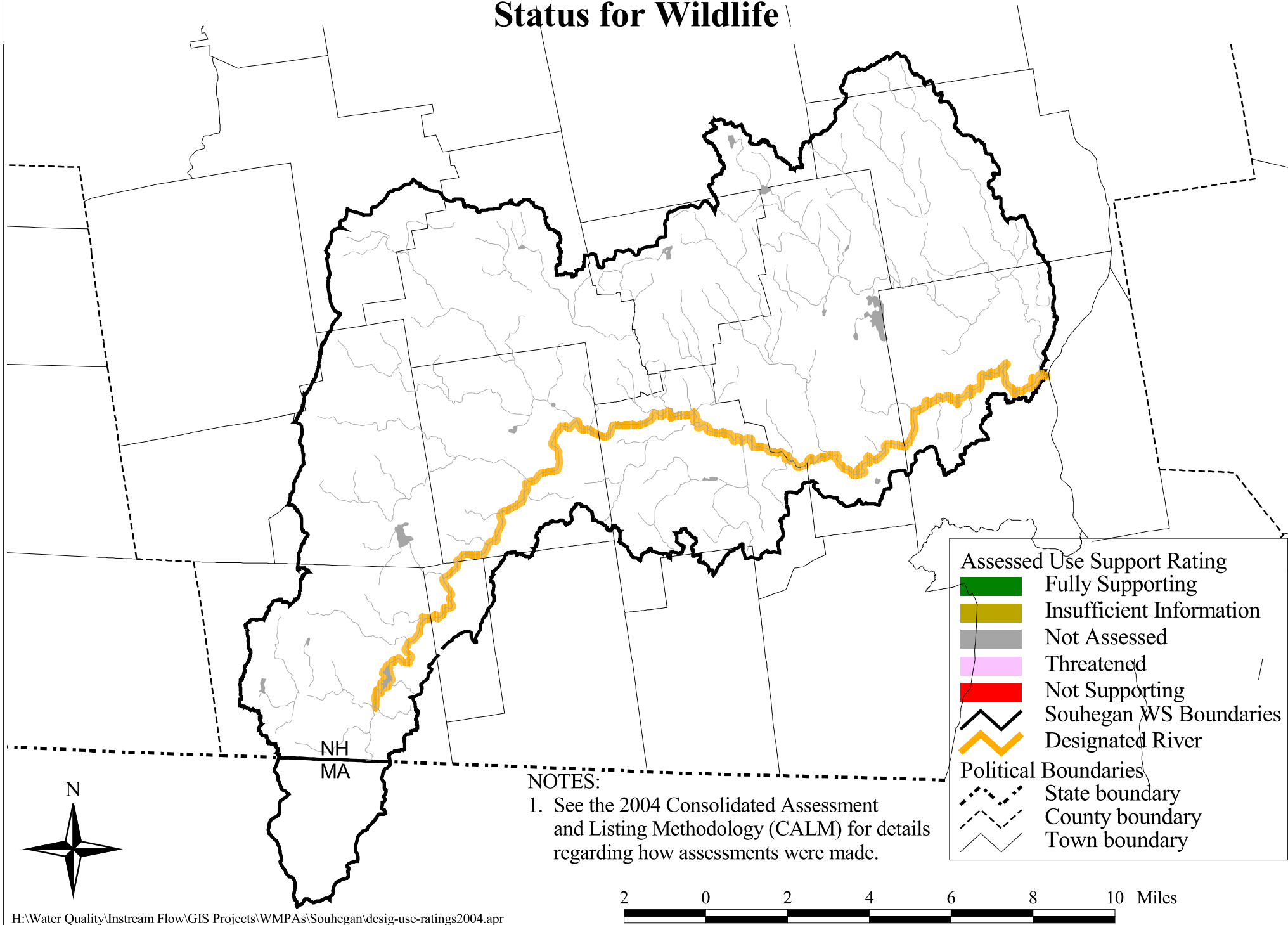


# Draft 2004: New Hampshire Use Support Status for Secondary Contact Recreation

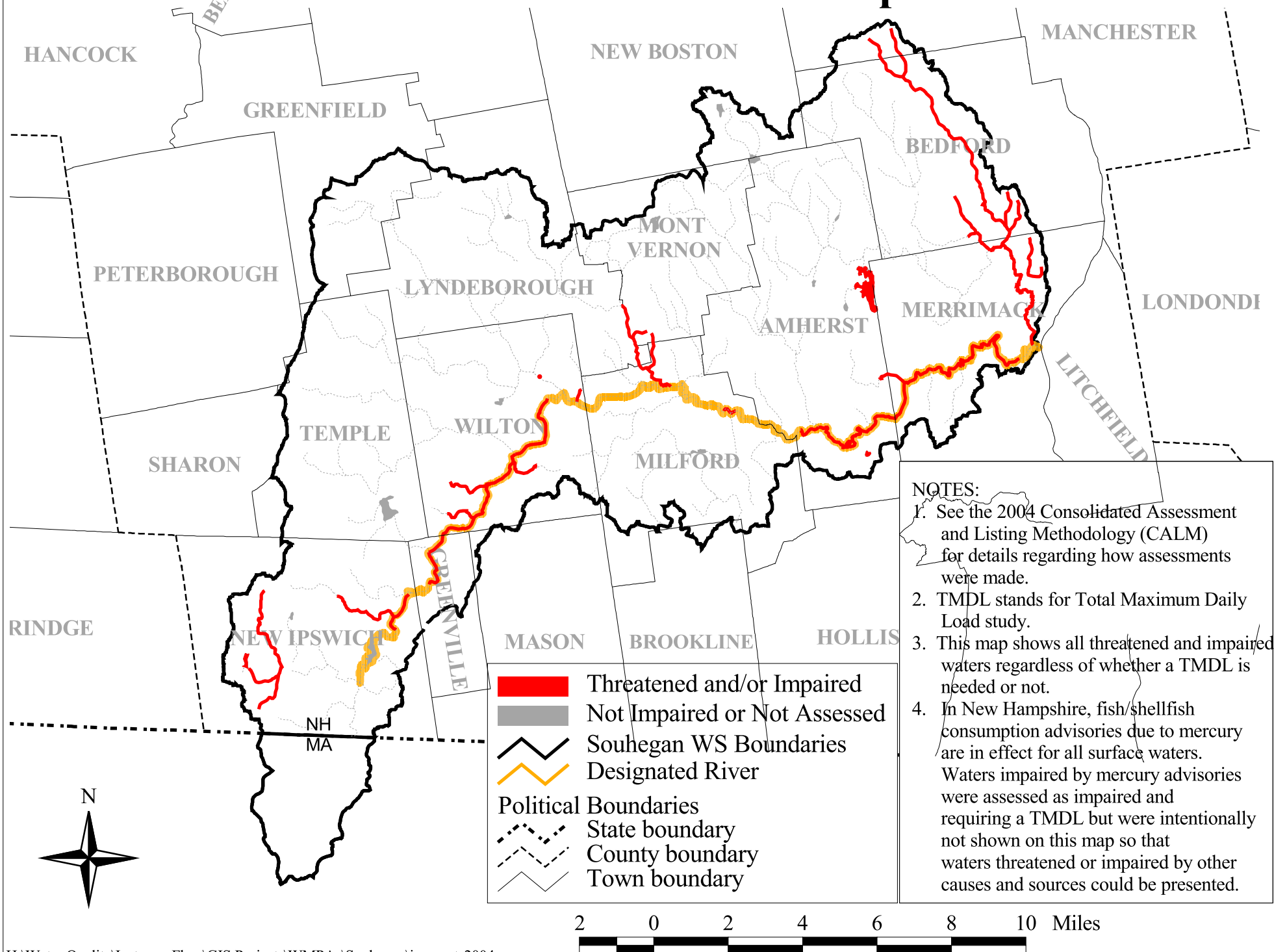




# Draft 2004: New Hampshire Use Support Status for Wildlife



# Draft 2004: All Threatened and/or Impaired Waters



## **Souhegan IPUOCR entities – Preliminary List – March 24, 2004**

1987 USGS study, Hydrogeology of Stratified Drift Aquifers and Water Quality in the Nashua Regional Planning Commission area, south central NH.

1. USGS Statistical Analysis of Stream Gauging Data, 1981
2. New Hampshire Natural Heritage Bureau - Known occurrences of rare species and exemplary natural communities in the Souhegan watershed, NH
3. Information provided by the New Hampshire division of Historical Resource - New Hampshire Archaeological Inventory State Archeologist Robert Boisvert